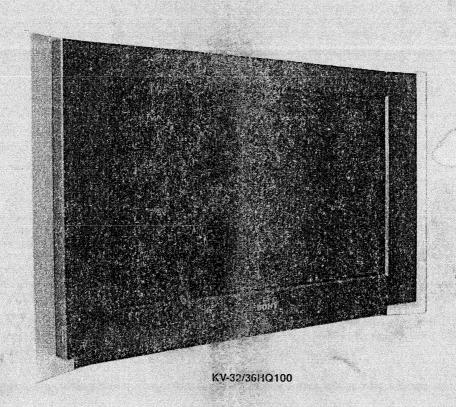


SERVICE MANUAL

AE-7A CHASSIS

MODEL	COMMANDER	DEST	CHASSIS NO	MODEL	COMMANDER	DEST	CHASSIS NO.
KV-32HQ100B) RM-940	FR	SCC-R12B-A	KV-36HQ100B	RM-940	FR	SCC-R12A-A
KV-32HQ100E	RM-940	ESP	SCC-R13A-A	KV-36HQ100E	RM-940	ESP	SCC-R13B-A
KV-32HQ100K	RM-940	OIRT	SCC-R11B-A	KV-36HQ100K	RM-940	OIRT	SCC-R11A-A

FD Trinitron





RM-940

TRINITRON © COLOR TV

SONY

TABLE OF CONTENTS Section Title Title PageSection Caution 5. DIAGRAMS Specifications Block Diagrams (1) Connectors Block Diagrams (2) Customer Service Menu Block Diagrams (3) Self Diagnostic Software Block Diagrams (4) 1. GENERAL 5-2. Circuit Board Location Automatically Tuning the TV 5-3. Schematic Diagrams and Finding your video channel Printed Wiring Boards NexTView 11 * A Board Schematic 40 Text 12 * A Board PWB Memory Stick 13 * C2 Board Schematic TV menu system 14 * C2 Board PWB Additional Information 15 * MS3 Board Schematic 53 Specifications * MS3 Board PWB 52 Troubleshooting 16 * F Board Schematic 53 Lifting the TV Set * F Board PWB 54 2. DISASSEMBLY * SF2 Board PWB 52 2-1. Rear Cover Removal * SF Board Schematic 2-2. Side Control & Speaker * SF Board PWB Disconnection * D2 Board Schematic Chassis Removal & Refitting D2 Board PWB G1 Board Removal 2-4. * G1 Board Schematic 2-5. G Board Removal 18 * G1 Board PWB D2 Board Removal 2-6. 18 * D1 Board Schematic 2-7. D1 Board Removal * D1 Board PWB 2-8 SF Board Removal 19 * G Board Schematic 2-9. MS3 Board Removal 19 * G Board PWB Service Position 19 * VM Board Schematic..... 2-11. Wire Dressing 19 * VM Board PWB 2-12. Picture Tube Removal 20 * H Board Schematic Bottom Plates * H Board PWB * J4 Board Schematic 3. SET-UP ADJUSTMENTS * J4 Board PWB 3-1. Beam Landing Semiconductors 3-2 SFC Landing Correction 23 5-5. IC Blocks Convergence 3-3. SFC Convergence Correction 6. EXPLODED VIEWS (KV-36HQ100) 25 6-1. Chassis 3-5. Focus Adjustment 26 6-2. Picture Tube 3-6. Screen (G2), White Balance

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4. CIRCUIT ADJUSTMENTS

4-2.

4-3.

Electrical Adjustments Volume Electrical Adjustments

Test Mode 2

CAUTION SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR THE CARBON PAINTED ON THE CRT, AFTER REMOVAL OF THE ANODE CAP.

WARNING !!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE WORK TO AVOID POSSIBLE SHOCK HAZARD DUE TO LIVE CHASSIS, THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE POWER LINE

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARKED & ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

Lead Free Soldered Boards

Page

35

37

65

66

65

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The circuit boards listed below [Table 1] used in these models may have been processed using Lead Free Solder. The boards are identified by the LF logo located close to the board designation e.g. F1, H1 etc [see examples]. The servicing of these boards requires special precautions to be taken as outlined below.



example 2

example 1

CAUTION

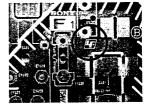


Table 1

Page Board	1846 S. Function
F	AC Switch, SIRCS Rx, LED
н	Front AV & Headphone



It is strongly recommended to use Lead Free Solder material in order to guarantee optimal quality of new solder joints. Lead Free Solder is available under the following part numbers:

Partnumber 66	Diameter	Remarks j
7-640-005-19	0,3mm	0.25Kg
7-640-005-20	0.4mm	0.50Kg
7-640-005-21	0.5mm	0.50Kg
7-640-005-22	0.6mm	0.25Kg
7-640-005-23	0.8mm	1.00Kg
7-640-005-24	1.0mm	1.00Kg
7-640-005-25	1.2mm	1.00Kg
7-640-005-26	1.6mm	1.00Kg

Due to the higher melting point of Lead Free Solder the soldering iron tip temperature needs to be set to 370 degrees centigrade. This requires soldering equipment capable of accurate temperature control coupled with a good heat recovery characteristics.

For more information on the use of Lead Free Solder, please refer to http://www.sony-training.com

LA SECURITÈ!!

CATHODIQUE.

7. ELECTRICAL PARTS LIST

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET PAR UNE MARQUE & SUR LES SCHÈMAS DE PRINCIPE. LES VUES EXPLOSES ET LES LISTES DE PIECES SONT D'UNE IMPOR-TANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPSANTS SONY DONT LE NUMÈRO DE PIÈCE EST INDIQUÈ DANS LE PRÈSENT MANUEL OU DANS DES SUPPLEMENTS PUBLIÈS PAR SONY.

ATTENTION

ATTENTION !!

TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÈ LORS

ACTENTION AUX COMPOSANTS RELATIFS A

DE TOUT DÉPANNAGE LE CHÁSSIS DE CE RÈCEPTEUR EST

DIRECTMENT RACCORDÈ Á L'ALIMENTATION SECTEUR.

APRES AVOIR DECONNECTE LE CAP DE'LANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE

TUBE CATHODIQUE OU AU BLINDAGE DU TUBE

AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION

PROVENANT D'UN CHÁSSIS SOUS TENTION, UN

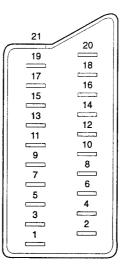
- 2 -

ITEM MODEL	Television System	Stereo System	Channel Coverage	Color System
3	B/G/H, D/K, I, L	GERMAN/NICAM Stereo	VHF : E02-E12, R01-R12 UHF : E21-E69, R21-R69 CABLE TV : S01-S05, S1-S20 HYPER : S21-S41	PAL, SECAM NTSC3.58/4.43 (VIDEO IN)
ε	B/G/H, D/K	GERMAN/NICAM Stereo	VHF : E02-E12, R01-R12 UHF : E21-E69, R21-R69 CABLE TV : S01-S05, S1-S20 HYPER : S21-S41	PAL, SECAM NTSC3.58/4.43 (VIDEO IN)
к	B/G/H, D/K	GERMAN/NICAM Stereo	VHF : E02-E12, R01-R12 UHF : E21-E69, R21-R69 CABLE TV : S01-S05, S1-S20 HYPER : S21-S41	PAL, SECAM NTSC3.58/4.43 (VIDEO IN)

	Super Fine Pitch FD Trinitron Approx 82 cm (32 inches)	Sound Output	
Picture Tube	(Approx 76 cm picture measured diagonally) KV-32HQ100	Right and Left speaker	2x20W (Music Power) 2x10W (RMS)
pi y si	Approx 92 cm (36 inches) (Approx 88 cm picture measured diagonally) KV-36HQ100	Subwooter	1x30W (Music Power) 1x15W (RMS)
Input/Output Terminals [REAR]	General Specifications	
	Inputs for Audio and Video signals.	Power Requirements	220 - 240V
1: 21-pin Euro connector (CENELEC standard)	Inputs for RGB. Outputs of TV Video and Audio signals.	Power Consumption	Approx 160W (KV-32HQ100) Approx 160W (KV-36HQ100)
2: 21-pin Euro connector (CENELEC standard)	Inputs for Audio and Video signals. Inputs for RGB. Outputs of TV Video and Audio signals.	Dimensions	Approx 1015x 575 x 590mm (KV-32HQ100) Approx 1100x 625 x 620mm (KV-36HQ100)
3: 21-pin Euro connector (CENELEC standard)	Inputs for Audio and Video signals. Inputs for S Video. Outputs for Video and Audio signals (selectable)	Veign:	Approx 68kg (KV-32HQ100) Approx 78kg (KV-36HQ100)
4:21-pin Euro connector (CENELEC standard)	Inputs for Audio and Video signals. Inputs for S Video.	Mary Control	RM-940 Remote Commander
Phono Jacks	Output Connectors variable for Audio Signals	Supplied Accessories	IEC designated AA battery (2)
PCMCIA Socket	Conditional Access Module	Other Features	100 Hz, DCF, DNR, Auto Noise Reduction, PAP, Picture & Text, Picture Freeze, DQP & DF, Virtual Dolby, BBE, EPG
Input/Output Terminals (SIDE]	Remote control system	: Infrared control
Headphone jack	stereo mini jack	54.0 Met 2 58	
5: Audio inputs	phono jacks		3V dc
5: Video inputs	phono jacks	Power requirements	2 batteries IEC designation
5: S Video input	4 pin DIN	1	R6 (size AA)
	Design and specifications a	re subject to change wit	hout notice.

Model Name	KV-32HQ100B	KV-32HQ100E	KV-32HQ100K
ltem	KV-36HQ100B	KV-36HQ100E	KV-36HQ100K
Pal Comb	OFF	OFF	OFF
PIP	OFF	OFF	OFF
RGB Priority	ON	ON	ON
Woofer Box	ON	ON	ON
Scart 1	ON	ON	ON
Scart 2	ON	ON	ON
Scart 3	ON	ON	ON
Scart 4	ON	ON	ON
Side in (5)	ON	ON	ON
Projector	OFF	OFF	OFF
Norm B/G	ON	ON	ON
Norm I	ON	OFF	OFF
Norm D/K	ON	ON	ON
Norm AUS	OFF	OFF	OFF
Norm L	ON	OFF	OFF
Norm SAT	OFF	OFF	OFF
Norm M	OFF	OFF	OFF
Teletext	ON	ON	ON
Nicam Stereo	ON	ON	ON

21 pin connector



Pin No	1	2	3	4	Signal	Signal level
. 1	0	0	0	•	Audio output B (right)	Standard level : 0.5V rms Output impedence : Less than 1kohm*
2	0	0	0	0	Audio input B (right)	Standard level : 0.5V rms Output impedence : More than 10kohm*
3	0	0	0	•	Audio output A (left)	Standard level : 0.5V rms Output impedence : Less than 1kohm*
4	0	0	0	0	Ground (audio)	
5	0	0	0	0	Ground (blue)	
	0	0	0	0	Audio input A (left)	Standard level : 0.5V rms Output impedence : More than 10kohm*
7.	0	0	•	•	Blue input	0.7 +/- 3dB, 75 ohms positive
	0	0	0	0	Function select (AV control)	High state (9.5-12V): Part mode Low state (0-2V): TV mode Input impedence: More than 10K ohms Input capacitance: Less than 2nF
× • 35	0	0	0	0	Ground (green)	
10	0	0	0	0	Open	
11	0	0	•	•	Green	Green signal: 0.7 +/- 3dB, 75 ohms, positive
, 12 , .	0	0	0	0	Open	
13	0	0	0	0	Ground (red)	
a 14	0	0	0	0	Ground (blanking)	
15	0	0	•	•	Red input	0.7 +/- 3dB, 75 ohms, positive
	•	•	0	0	(S signal Chroma input)	0.3 +/- 3dB, 75 ohms, positive
16 2	•	•	0	0	Blanking input (Ys signal)	High state (1-3V) Low state (0-0.4V) Input impedence : 75 ohms
* 17	0	0	0	0	Ground (video output)	
18	0	0	0	0	Ground (video input)	
19	0	0	0	•	Video output	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
San ye :	0	0	0	0	Video input	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
20	•	•	0	0	Video input Y (S signal)	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
21	0	0	0	0	Common ground (plug, shield)	

Not Connected (open) * at 20Hz - 20kHz

Rear Connection Panel Front Connection Panel





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S Video socket pin configuration					
Pin No	Signal	Signal Level			
1	Ground	-			
2	Ground				
3	Y (S signal) input	1V+/- 3dB 75ohm, positive Sync. 0.3V -3 +10dB			
4	C (S signal) input	0.3V+/- 3dB 75ohm, positive Sync.			

CUSTOMER SERVICE MENU

The Customer Service menu is provided in order to assist fault diagnosis when the customer reports a problem. The menu can be invoked by the customer on request from the service technician or dealer during a telephone conversation. The customer is then able to provide information regarding the current status of the set. The information gained can then help to increase the number of problems that are solved on the first call out by the service engineer and also reduce the amount of "No problem found" cases. The Customer Service Menu will be read only, preventing the customer from modifying the state of the TV at this time.

1. Entering the Customer Service Menu

The customer service menu can be entered by pressing and holding the Menu key on the Commander while pressing the volume minus local key on the TV.

2. Description of Information available

The following information is available from the Customer Service Menu:

Cu	stomer Service Menu	
7°1	Model	32HQ100
2	Chassis	AE7A
3	M2 SW Version	RELEASE_M2_V040
4	MIPS SW Version	0.00/0
5	TM SW Version	0.00/0
6	BTM SW Version	0.06/0
7	Picture Mode	Unavailable
8	Contrast Level	53
9	Colour Level	31
Nex	t Page: Previous Page: 🔏	Page 1/4

Customer Service	e Menu			Fright State
10 Brightness I	Level	18		
11 Sharpness L	evel	31		
12 Noise Reduc	tion	Auto		
13 Auto Format		On		
14 Colour Tone		Normal		
15 1-Clear		On		
16 I-Black		Off		
37 Formal Corr	ection	y On		
10) Semil ₹/5.		7575 7	n e	
	1		5 7.	

	Speaker Volume	
1	Headphone Volume	12
22	Speaker Balance	-26
23	ĀFT	Off
24	Analogue Frequency	679250000
25	Digital Frequency (Hz)	Unavailable
26	TV System	
97	Colour System	PAL

28 Error 1		No Er	ror	
29 Error 2		No Er	ror	
30 Error 3		No Er	ror	
31 Error 4		No Er	ror	
32 Error 5		No Er	ror	

AE-7A SELF DIAGNOSTIC SOFTWARE

Error diagnostics are used to diagnose if parts of the chassis are faulty. Some errors can be safety critical. In this case the TV set is put into standby.

An error is communicated by:

- Flashing the LED red at the front of the TV
- Via the error monitor service menu
- Via the Customer Service Menu (CSM)
- Via an external error reader connected to the service connector



The most important errors are signalled via this method.

This is also the only way that safety critical errors can be communicated since the TV will be in standby.

The LED sequence below is an example of Error Code 3. An error is determined by the number of short red flashes of the LED in between a longer solid green LED indication.



The following table displays the supported error codes.

LED ERROR CODE	ERROR DESCRIPTION	PRIORITY
01	Not used for error notification as it is already used for SIRCS acknowledge	Highest
02	OCP (Over Current Protection)	
03	OVP (Over Voltage Protection)	i
04	Vertical Protection	
05	Unstable AKB(check starts after 30s,disabled in Production Mode)	
06	Horizontal Protection	
07	AUP (Speaker Protection)	
08	I2C Viper Bus 0 Error	
09	I2C Viper Bus 1 Error	
10	I2C M2 Bus 0 Error	
11	I2C M2 Bus 1 Error	
12	M2 NVM Error	
13	Viper NVM Error	
14	Viper Flash Memory Error	
15	N Board Error	
16	A Board Error	
17	B Board Error	
18	J Board Error	!
19	A1 Board Error (CXD2099 - Common Interface)	
20	Backend (CXA2170)	
21	Analogue Colour Decoder (CXA2163)	Ÿ
22	Main Digital Colour Decoder (SAA7118)	•
23	Sound Processor (MSP3411G)	Lowest

LED code 1 has the highest priority.

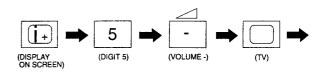
in production mode without the TV going into standby.

Errors found corresponding to LED error codes 2-4 will put the TV into standby under all conditions. However, an error corresponding to LED error code 5 (Unstable AKB) will only put the TV into standby in service mode – the LED will flash

2. Error Monitor Menu

The error monitor is displayed by:

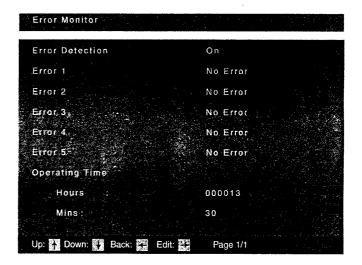
- Entering TT command TT99, or
- Executing the following key sequence when the TV set is in standby:



The error monitor displays the following information:

- The last 5 errors that are stored in flash
- The current error
- The operating time of the TV set

Error detection can also be enabled or disabled from this menu.

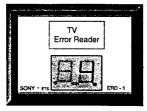


The following error messages are displayed in the error monitor. The error code is displayed in the external error reader.

Error Code	Error Message
000h	No Error Occured
001h	Bus Error, I2C0 M2
002h	Bus Error, I2C1 M2
003h	Bus Error, I2C0 Viper
004h	Bus Error, I2C1 Viper
100h	N-Board
101h	N-B. SAA7118, Main Col Dec
102h	N-B. SAA7118, Sub Col Dec
103h	N-B. PNX8510, Anabel
104h	N-B. Viper EEPROM
105h	N-B. ME ASIC
106h	N-B. ICIB ASIC
107h	N-B. PCF8574, Port Exp
108h	N-B. ST24C32, M2 NVM
200h	A-Board
201h	A-B. TU1100, Main ana. Tuner
202h	A-B. TU1100, Main ana. IF
203h	A-B. TU1200, Sub ana. Tuner
204h	A-B. TU1200, Sub ana. IF
205h	A-B. CXA2170, Backend
206h	A-B. CXA8070, Dyn. Conv.
207h	A-B. MB88141, Defl. DAC
208h	A-B. CXA2171 Video Switch
209h	A-B. CXA1875, Port Exp.
20Ah	A-B. MSP3411G, Sound Proc.
20Bh	A-B. PFC8593, RTC
20Ch	A-B. TU4100, Dig Tuner PLL
20Dh	A-B. TU4100, Dig COFDM
20Eh	A-B. PCF8574, Port Exp
300h	B-Board
301h	B-B. CXA2163, Ana Col Dec
302h	B-B. CXD3084, 3D Comb
400h	J-Board
401h	J4-B. CXA1855, Main AV Switch
402h	J4-B. CXA2149, Sub AV Switch
500h	F-Board / CXD2088 AV Link
600h	A1-Board / CXD2088, Comm Int
	· · · · · · · · · · · · · · · · · · ·

3. Error Reader Display

If no menu can be shown, the Error Reader can display the current error. The error reader display is connected to the service connector to read actual error codes. The part number for the error reader display is S-188-900-10. Once an error has been detected it will then be displayed on the two digit error reader. The errors displayed refer to the above table.



Due to the limited count of digits the Error Reader displays the message sequentially. The following example shows the definition of this sequence:

- Start new error sequence [.]
- Display of 1st error part 1 [4 .]
- Display of 1st error part 2 [0 1 .] Error Code = 401h
- Display of 2nd error part 1 [6 .]
- Display of 2nd error part 2 [0 1 .] Error Code = 601h

ECTION 1 GENERAL

4 Automatically tuning the TV

- When you switch on the TV for the first time, the Sony logo appears on the TV screen followed by the "Memory Stick' logo, then the Language' Country menu with the word "English" highlighted. Press the * or * buttons on the remote control to choose the language you require then press the OK button to confirm.
- The word Country is now highlighted. Press the * or * buttons to choose
 the country in which you are using the TV. It is important to select the
 correct country to ensure correct Teletext displays. Press the OK button
 to confirm your choice.

The picture rotation prompt appears. Sometimes the Earth's natural magnetism can cause the screen to look tilted.

a) If no correction is required, press the + button

 i) If some correction is required, press the OK button. Press the ◆ or ◆ button to rotate the picture over a range of -5 to +5. Press the OK button to store.

The picture centering prompt appears (KV-36HQ100 model only). This allows you to adjust the vertical position of the display if it is not centralised.

a) If no correction is required, press the + button.

 b) If some correction is required, press the * or * button to set new position. Press the OK button to store.

The autotune prompt screen appears. Press the OK button to select Yes. The autotune procedure begins, tuning all the available channels. A display then appears on the TV screen to inform you of the tuning progress.

If no channels are found, a display appears on screen asking you to confirm your aerial is connected. Check the aerial has been connected correctly then press the OK button to repeat the tuning process.

Once all signals have been captured and stored, the TV returns to normal operation and displays the analogue programme captured on programme number 1.

 To view programmes, press the PROG+/- button or the numbered buttons on the remote control.

6 Finding your video channel

If you connected a VCR to your TV when following the 'Connecting an aerial and a VCR to the TV' instructions, you now need to find your video channel.

 Press the PROG+/- button on the remote control until the picture from the pre-recorded tape appears on screen.

Notes

If you wish to move your video channel to a different programme number, refer to 'Programme List Edit' on page 20.

If you have connected your VCR using a scart lead, press the €/♠ button repeatedly on the remote control until the picture from the pre-recorded tape

Language/Country menu



Autotune prompt



NexTView

The NexTView menu provides a quick and easy way to:a)View a complete fist of the programmes available. b)View a list relating to a category of programme, e.g. Sports or Movies. c)Set a programme to be recorded.

- Press the button to display the NexTView screen. This screen consists of an event information area, a 2 hour timer bar (divided into 30 minute intervals) and a 7 channel programme list covering the 2 hour period.
- 2. Press the * or * buttons to move the cursor bar up or down the programme list and the * or * buttons to move left and right. If you press the * button once more after highlighting the last programme on the right, the programmes scheduled for the next 2 hour period are displayed. As each programmes is highlighted, a brief description of the programme appears in the event information area at the lop of the screen. If you do not wish to select a programme from the 7 channels listed, press the GREEN button to display the next group of channels or the REED button to display the previous group of channels (if more than 7 channels are available).
- When the programme you want to view is highlighted, press the OK button to exit the NexTView menu and view the programme.

Selecting a category of programme

The Category list allows you to search for programmes quickly by dividing the channels into different categories. For example, if you select 'News' from the Category list, then only programmes related to News will be shown in the NexTView menu.

- With the NexTView menu on screen, press the BLUE button to display the Category display. This display contains icons representing categories such as sport and news.
- Press the . . . or . buttons to highlight the category icon you want, then press the OK button. The NexTView programme list will now only contain programmes related to the category type selected.

The category types are as follows

lcon	Category	
밀	Displays all programme types	
٧	Displays programmes you have stored as favourites	
¥	Displays childrens programmes	
류	Displays all entertainment programmes	
П	Displays all movie programmes	
*	Displays all sports programmes	
<u> </u>	Displays all news programmes	
ηþ	Displays all music programmes	
\$	Displays all arts programmes	

 Press the •. •, • or • buttons to highlight the programme you wish to view from the new list, then press the OK button to view.

Note

If you choose a category other then 'All Programmes' or 'Favourites', it will not be stored when the TV is switched off, and will have to be selected again when the TV is next turned on.

NexTView menu



Calmoory I



1

Selecting a programme for recording or timed display

With the NexTView menu displayed press the +, •, • and • buttons to highlight a future programme, then press the YELLOW button to display the 'Timer' pop-up menu. This option allows you to choose from a) Timer REC, b) Wake up or c) Manual times.

a) Record

Highlight 'Timer REC' and press the OK button to automatically set your VCR to record the selected programme.

Notes

This option only works if your VCR has SMARTLINK capability and it is connected to the AV3 SMARTLINK VCR, a message will tell you to set the timer recording function of your VCR so that it switches on and off to correspond with the programme you have stored for recording.

When a programme has been set for recording, a solid red bar appears under the timer bar in the menu, and the record symbol () appears in the display. The coloured bar shows the time allocated for recording and reminds you that you are unable to record other programmes during that time period.

Once a recording has began you can put the TV into its standby mode, but do not switch off completely or the recording will be cancelled.

b) Reminder

Highlight 'Reminder' and press OK If you wish the future programme you selected to automatically appear on screen when transmission starts. When you use this option a solid green bar appears under the timer bar in the menu and the timer symbol ② appears in the display. This coloured bar indicates that a 'Reminder' request has been activated. If you are watching another programme just before the transmission is due to begin, the TV will automatically switch to the 'Reminder' programme.

If you have placed the TV into standby, it will automatically turn itself on when the 'Reminder' programme is about to start. If the TV receives no command during the 'Reminder' programme, it will return to the standby mode.

c) Manual

Highlight 'Manual' and press OK if you wish the TV to output a channel to your VCR for recording when the transmission begins. The Manual Timer display appears.

Press the 4 or 4 button to set the day of recording, then press the 6 button to move to the start time. Repeat this procedure to set the start and stop times and the channel number, then press the OK button to store and return to the NexTView menu. Press the button to remove the NexTView menu. Unless you have a SMARTLINK VCR, you must now set the timer recording function of your VCR to switch on and off to correspond with the programme you have stored for recording.

Notes on recording:

The "Manual" feature only works if you have connected your VCR to the AV3 socket
→ 3/⊕3 on the rear of the TV. After you have programmed a recording you can put the TV into its standby mode, but do not switch off completely or the recording will be cancelled. If you put the TV into standby mode, the standby indicator on the front of the TV flashes green periodically to remind you a recording has been programmed.

Timer lis

The Timer pop-up menu also has a 'Timer list' option. If you highlight this and press the OK button, a screen is displayed showing all the programmes you have set for recording or wake up. To delete one of these programmes, proceed as follows:

- 1. Press the e or button to highlight the programme you wish to delete.
- Press the OK button to confirm deletion.
- 3. Press m when you wish to return to return to normal TV operation.

Timer pop-up displa



Manual timer display



1. Selec

Viewing Text

Text

- Select the TV channel that carries the text service you wish to view.
- Press the button to enter Picture and Text (P&T) mode. The screen is divided into two with the Text display on the left and the TV channel in the right corner.

Most TV channels provide a text service. The index page (usually page 100)

provides information on how to use the service. Please ensure you are receiving a

Notes

If you wish to view the Text in full screen mode, press the 😝 button a second time.

- Press the numbered buttons to enter a three digit number for the text page you wish to view. Your selected page appears on screen.
- 4 Enter more 3 digit page numbers as required.

strong signal or some text errors may occur.

Press the button on the remote control at any time to exit Text mode.

How to use Text features

To select the next or preceding page	Press the ூ or ຝ button.		
To select a sub page	A text page can consist of several sub pages. In this case an information box is displayed at the bottom of the screen showing the number of sub pages available. Select the sub pages by pressing the $+$ or $+$ button.		
To keep a page on display	Press the button. Press again to cancel.		
To use Fastext	Fastext allows you to access pages with one button push. When Fastext is available, four coloured items appear at the bottom of the screen. Press the corresponding coloured button on the remote control to display the page.		
To use the Page Catching feature	Select a page that contains several page numbers (e.g the index page), then press the OK button. Press the + o + button to highlight the page number required, ther press the OK button again. Your selected page appears on screen.		
To use the Reveal function	Press the 🕦 button to reveal hidden information on the page (such as answers to a quiz).		

Viewing Top-Text

If transmitted by the broadcasting authorities, Top-Text can be viewed on this TV. When Top-Text is displayed, the screen is divided into two columns, the first column shows 'blocks' of pages and the second shows 'groups' of pages.

- Press the

 or

 button to highlight the first or second column.
- Press the + or + button to select the relevant 'group' or 'block' of pages.
- Press the OK button to display the chosen pages.
- ⚠ Press the □ button when you wish to exit Top-Text.





A 'Memory Stick' is a new recording medium with a data capacity that exceeds a floppy disk. It is specially designed for exchanging and sharing digital data among 'Memory Stick' compatible products. Use 'Memory Stick' to display JPEG pictures (DCF version 1.0 format)** individually or as a slideshow presentation on the TV screen. Because it is removable, 'Memory Stick' can also be used for external data storage.

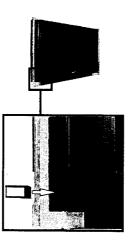
Notes

"Memory Stick' and the Region are trademarks of Sony Corporation.

"DCF (Design rules for Camera File systems) is a standard file name format for digital still cameras, DV camcorders etc. It is supported by Sony and other manufacturers.

Inserting a 'Memory Stick'

Insert a 'Memory Stick' into the front control panel of the TV set until it clicks into the connector. The side showing the ▶ symbol must be facing you and it must be pointing towards the 'Memory Stick' socket. The red light flashes indicating that the 'Memory Stick' contents are being read.



Removing a 'Memory Stick'

Confirm that the red light is off. Do not pull the 'Memory Stick'. You must push the 'Memory Stick' and then release. The 'Memory Stick' will spring out.

Note:

*Data stored on a 'Memory Stick' may become demaged or erased if you remove the 'Memory Stick' when it is reading or writing data.

The 'Memory Stick' Thumbnail menu

Press the _____ button to display the Thumbnail menu. This screen gives an overview of the 'Memory Stick' content. From this menu you can also choose to see a slide show of the content, change the directory (if the 'Memory Stick' contains more than one directory), and change settings related to the viewing operation.

To view a picture

- Press +, +, + or + buttons to highlight the picture you wish to view. There
 may be more pictures available than can be shown on the Thumbnail
 screen. If so, press the RED button to view the next group of pictures, or the
 GREEN button to view the previous group.
- When you have selected the picture you want, press the OK button to display the Thumbnail 'Action List'. The picture you have selected for viewing will be cuttined.
- The option 'Full Screen View' should now be highlighted. Press the OK button to view the selected picture at full size.
 Whist the picture is displayed at full size, you can select the next or previous picture for viewing by pressing the ◆ or ◆ buttons.
- 4. If you wish, you can rotate the picture on view 90 degrees clockwise or ant-clockwise. Press the ₱ or ₱ button to highlight ♠ or ๗ symbol, then press the OK button.
- To return to the Thumbnail menu, first press the OK button to display the full screen 'Action List'. Make sure 'Exit Full Screen View' is highlighted, then press the OK button once again.



Thumbnail menu



Memory Stick

Slideshow

This feature allows you to display all the 'Memory Stick' pictures as a slideshow presentation on the TV screen.

- 1. With the Thumbnail menu on screen, press the ◆, ◆, ◆ or ◆ buttons to highlight 'Slide show' then press the OK button.
- The slideshow begins. (To change the length of time an image is displayed refer to the 'Setup' section below).
- Press the OK button anytime during the slideshow to return to the 'Thumbnail' menu.

Setup

This feature allows you to 1) set the length of time for a picture to be displayed during a sildeshow, 2) set a sildeshow to continuously repeat, 3) display photographs from all directories) format the "Memory Stick."

- With the Thumbnail menu on screen, press the ♣, ♠, ♠ or ♠ buttons to highlight 'Set-up' then press the OK button to display the Set up menu.
- Press the * or * button to highlight the option you require. The table below explains each option and its function.
- Press the * button to return to Thumbnails once all settings are completed.

Set-up menu



Silde show interval Sets the length of time a picture is displayed during a sildeshow.	With 'Sildeshow Interval' highlighted, press the OK button to activate. Press the + or + button to select 5 sec, 10 sec, 1 min, 5 min or 15 min, then press the OK button to store your choice.
Slideshow - Repeat Sets a slideshow to continuously repeat.	With 'Slide show repeat' highlighted, press the OK button to activate. Press the ₱ or ₱ button to select 'On' or 'Off' then press the OK button to confirm.
All directory slide show Displays photographs from all the available directories during the slideshow.	Highlight 'All directory slides show then press the OK button to activate. Press the + or + button to select 'On' or 'Off' then press the OK button to store your choice.
Format Will delete all information on the 'Memory Stick' and performs a basic format	Highlight 'Format' then press the OK button to begin formatting. A message display appears asking you to confirm you want to format the 'Memory Stick'. 'Format' will be highlighted. Press the OK button to continue. A display will inform you when format is completed. Press the OK button to return to the Set-up menu.

Changing Directory

This feature allows you to choose the directory that you wish to be displayed in the Thumbnail menu.

- With the Thumbnail menu on screen, press the ◆, ◆, ◆ or ◆ buttons to highlight 'Select Directory' then press the OK button.
- 2. A directory list appears in the display.
- Press the * or * buttons to select your desired directory, then press the OK button. The photographs from that directory will now be displayed in the Thumbnail menu.

Directory list



TV menu system

Using the TV menu system

This TV contains a menu system which is based on a series of on screen displays. These displays help you get the most from your TV, from customising the picture and sound to accessing advanced features. Use the following buttons on the remote control to operate the TV menu system:

- 1. Press the MENU button to display the main menu.
- 2. Use the following buttons to operate the menu:
 - Press the # or # buttons to highlight the required menu or option.
 - Press the + button to enter the required menu or option.
 - Press the + button to return to the last menu or option.
 - Press the *, *, * or * buttons to alter the settings of the selected option.
 - Press the OK button to confirm and store your selection.
- Press the MENU button to remove the menu from the TV screen.

Picture Adjustment menu

This menu allows you to customise the TV picture settings. Highlight the required option and press ◆ to select. The table below explains each option and how to use it.

This option allows you to select one of four picture modes. Press ◆ or ◆ to select Live, Personal, Movie or Game. Press OK to confirm your choice.

Contrast, Brightness, Colour, Sharpness, Hue

These options allow you to adjust the contrast, brightness, colour and sharpness.

Press ◆ or ◆ to set the levels. Press OK to confirm.

Note:

Hue will only be available if an NTSC broadcast is received.

This option resets all picture settings to the factory preset levels. Press + to restore default picture settings.

This feature is only available when 'Picture Mode' is set to 'Personal'.

Sometimes a weak signal can produce a snowy picture (called Picture Noise). This option can help to reduce this effect. Press + or + to select Off, Low, Mid, High or Auto. Press OK to confirm.

This option allows you to alter the tint of the picture. The settings available are:

Warm:

Gives the white colours a red tint. Gives the white colours a neutral tint.

Normal Cool:

Gives the white colours a blue tint.

Press ♦ or ♦ to select Warm, Normal or Cool. Press OK to confirm.

Picture Enhancement

With this option you can enhance the sharpness and contrast levels of the TV picture. The settings available are:

i-Clear:

Optimizes the sharpness levels of the TV picture. Press + or + to select Off, Low, Mid or High. Press OK to confirm.

i-Black:

Optimizes the contrast levels of the TV picture. Press + or + to

select On or Off then press OK to confirm your choice.

Picture adjustment menu



TV menu system

Set-up menu

This menu gives you access to more advanced features. The options are:

When you first installed the TV you were asked to select your language and country. The 'Language/Country' option in this 'Set-up' menu allows you to change these settings. With the 'Language/Country' option highlighted, press → to enter the 'Language/Country' menu. Press + or + to select 'Language' or 'Country'. Press + to select. Press + or + to highlight the required setting. Press OK to confirm.

All the available channels were tuned in when the TV was first installed. This 'Auto Tuning' option allows you to repeat that process (e.g. to re-install the TV at an alternative location or search for new channels that have been launched by broadcasters). With the 'Auto Tuning' option highlighted, press → to select. The autotune prompt appears on screen. Press OK to start the auto tuning process. When all available channels have been tuned the TV returns to normal operation.

Programme List Edit

This option allows you to change the order in which the channels are stored on the TV and delete unwanted channels. With the 'Programme List Edit' option highlighted, press ⇒ to enter the 'Programme List Edit' menu. Press ♦ or ♦ to highlight the channel you wish to move to a new position, then press + to select (press the OK button if you wish to delete the channel). Press ♦ or ♦ to highlight the new position for your channel, then press OK button. Your chosen channel has now moved to the new position. Repeat to move other channels if required.

This option allows you to manually tune in channels. With the 'Manual Tuning' option highlighted, press → to enter the Manual Tuning menu. Press → or → to highlight the programme number you wish to tune. Press OK to confirm, and display the setting screen. Press ♦ or ♦ to highlight System, then press the ♦ button. Press ♦ or ♦ to set the system required. Choose from system B/G or D/K. Press the ◆ button. Press ♦ button to highlight Channel and press the ◆ button. Press # or # to choose 'C' for terrestrial or 'S' for cable channels. Press the # button. The channel number is highlighted.

- (a) If you know the channel number you want: Press the numbered buttons on the remote control to enter the channel number. Press QK to store.
- (b) if you do not know the channel number: Press * or * to SEARCH. The TV set automatically searches for the next available TV broadcast channel or the VCR test signal. When a channel has been found press either OK to store or # or # to continue searching.

Naming a channel

- The 'Label' option allows you to give the channel a personalised name.
- a) Press * or * to highlight 'Label' then press the * button to enter.
- b) Press the + or + button to select the first letter or number of your choice. Press + button to confirm. Select remaining characters in this way, then press the OK button to store.

AFT (Automatic Fine Tune)

This option allows you to fine tune the channel for optimum result.

- a) Press the + or + button to highlight 'AFT' then press the + button to enter.
- b) Press the + or + button to adjust the tuning frequency over a range of -15 to +15. Press the OK button to store.

Decoder

This option allows you to set a channel for viewing scrambled signal (e.g. from a pay TV decoder.

- a) Press * or * to highlight 'Decoder' then press the * button to enter.
- b) Press # or # to select AV1 or AV3 depending on which socket your scrambled signal is connected to. Press the OK button to store.

Set-up menu



Manual tuning setting screen



Additional information

Teaching the remote control*

To eliminate the amount of remote controls you need, this remote control has a learning feature. Once set up as explained below, it can be used in place of your other remote controls.

- Press and hold the button for approximately six seconds, until the 1. 'AUX' light flashes.
- Press the button on which you wish to store a learned function on. The VCR, TV, DVD and AUX lights flash in order.

The following buttons can be used to store learned functions:

VIDEO I/O button	Numbered buttons
+, +, +, + buttons	OK button
Coloured buttons	Menu button
Prog+/- buttons	

- Position the other remote control as shown. Press the button that you wish to teach your TV remote control. The VCR, TV, DVD and AUX lights Illuminate at the same time when a function has been learned and stored.
- Repeat steps 2 and 3 to learn other functions.
- Press the button to finish.

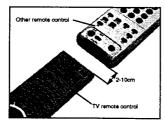
Erasing the last learned function

- Press and hold the button for approximately six seconds, until the 'AUX' light flashes.
- Press the ox button to erase the last learned function.
- Press the button to return to normal operation.

Erasing all the learned functions

- Press and hold the button for approximately six seconds, until the 'AUX' light flashes.
- Press the and buttons to erase all learned functions.
- Press the button to return to normal operation.

*The functions learned may be lost if weak batteries are not replaced immediately.



Additional information

Specifications

TV System

8/G/H, DK, I, L

Colour System

PAL,SECAM

NTSC 3.58, 4.43 (only Video In)

Channel Coverage

VHF E2-E12 UHF E21-E69

CATV: S1-S20 S21-S41

HYPER: D/K:

Picture Tube

R1-R12, R21-R69

KV-32HQ100K: Super Fine Pitch FD Trinitron Approx. 82cm KV-36HQ100K: Super Fine Pitch FD Trinitron Approx. 91cm

Sound Output

Left/Right: 2x20W (music power), 2x10W (RMS) Subwoofer: 1x30W (music power), 1x15W (RMS)

Power Consumption KV-32HQ100K: Approx. 160W

Dimensions

KV-36HQ100K: Approx. 160W

(wxhxd)

KV-32HQ100K: Approx. 1015 x 575 x 590mm KV-36HQ100K: Approx. 1100 x 625 x 620mm

Weight

KV-32HQ100K: Approx. 68kg

Rear Terminals

KV-36HQ100K: Approx. 78kg

21-pin Euro connector (CENELEC standard) including audio/video input,

RGB input, TV audio/video output.

-⊖2

-01

21-pin Euro connector (CENELEC standard) including audio/video input,

RGB input, TV audio/video output

⊕-3/-@3

21-pin Euro connector (CENELEC standard) including audio/videoinput,

S-video input, selectable audio/video output.

€4/-634

21-pin Euro connector (CENELEC standard) including audio/videoinput.

S-video input.

RF In

()-WEL

Audio output - RCA phono jacks

Side Terminals

₽15

Video input - phono jack

-95

S video input - 4 pin DIN

€5

Audio inputs - phono jacks

Headphones jack - minijack stereo

Accessories Supplied

RM-940 remote control (1) IEC designated size AA battery (2)

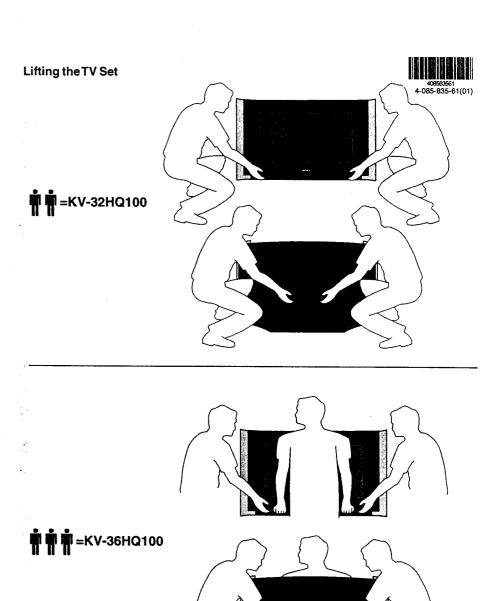
Design and specification are subject to change without notice

Additional information

Troubleshooting

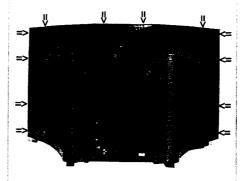
Problem	Possible causes	Solutions		
No picture, no sound.	Power off TV in standby.	Plug in the TV. Press the ① button on the front of the TV. If the ② indicator is on press the I/② button on the remote control.		
	Aerial disconnected.	Check aerial connection		
Poor or no picture (screen is dark), but good sound.	Picture preset level adjustment	Select 'Picture Adjustment' menu then adjust the brightness, picture and colour levels.		
Some channels are blank.	Scrambled or subscription-only channel.	Subscribe to pay-per-view broadcaster.		
	 Programme used only for data (no picture or sound). 	See 'Skipping a programme' section. See 'Re-arranging your channels' section.		
	Programme not being transmitted.			
Standby indicator flashing.	Fault (irregular flash)	Do not open the cabinet, refer to qualified personnel. Contact your nearest SONY Service Centre.		
Good picture, no sound	Volume control.	Press the + button on the remote control. If is displayed on the screen, press the in button on the remote control.		
No colour on colour programmes	Colour level setting.	Select 'Picture Adjustment' menu then adjust the colour setting.		
Remote control does not function	Batteries low. Wrong mode	Replace batteries. Press the or button to check if your remote control is in the correct Mode for the equipment you are trying to control.		
Distorted picture when changing programmes or selecting teletext	 Inputs from external equipment not switched off. 	Switch off all additionally connected equipment.		

- If you continue to have these problems, have your TV serviced by qualified personnel.
 NEVER open the casing yourself.



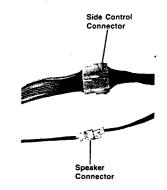
SECTION 2 DISASSEMBLY

2-1. Rear Cover Removal



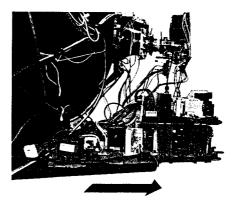
Remove the rear cover fixing screws indicated and pull the rear cover backwards away from the set. Take care when removing the rear cover not to damage the side control and speaker cables, [disconnect the side control and speaker connectors]. The side control and speaker is fitted inside the rear cover.

2-2. Side Control and Speaker Disconnection

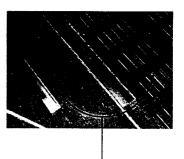


Before completely removing the rear cover disconnect the side control connector and speaker connector which is located on the inside of the set.

2-3. Chassis Removal and Refitting

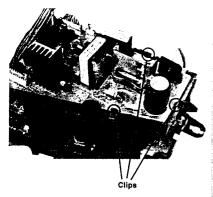


To remove lift the main bracket rear slightly and slide the chassis away from the beznet. Ensure that the interconnecting leads are released from their purse locks to prevent damage being caused.



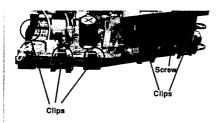
When refitting the chassis ensure that the main bracket is located in the beznet guide slots before sliding the chassis forwards. Refit the inter-connecting leads in their respective purse locks.

2-4. G1 Board Removal



To remove the G1 board release the three clips circled and ease the board gently away from the support bracket.

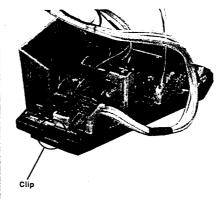
2-5. G Board Removal



To remove the G Board first remove the G1 bracket by removing the screw circled and releasing the four clips (two on each side of the bracket).

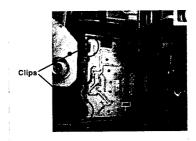
The G Board can then be removed by releasing the clips circled and easing the board gently away from the support bracket.

2-8. SF Board Removal



To remove the SF board release the clip circled and ease the board gently away from the support bracket.

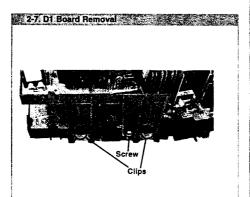
2-9. MS3 Board Removal



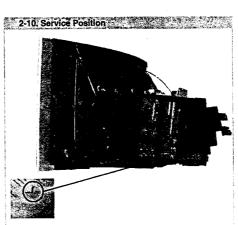
To remove the MS3 board release the two clips circled and ease the board gently away from the support bracket.

2-6. D2 Board Removal

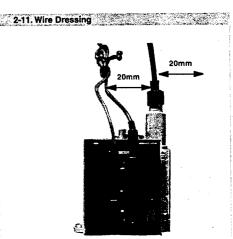
To remove the D2 board remove the two screws circled, release the clips circled and ease the board gently away from the support bracket.



To remove the D1 board first remove the D2 bracket by removing the two screws (one on each side of the bracket) and releasing the four clips (two on each side of the bracket). The D1 board can then be removed using the same method as the G board.



To place the chassis in the service position, remove the SF and MS3 boards from their brackets (see 2-8 and 2-9.), remove the G1 and D2 brackets and position on the side of the main bracket as shown above. Insert the main bracket firmly into the T-slot located on the left corner of the beznet as indicated (see inset). To gain access to the underside of the boards follow the instructions on page 21. [Removal and Replacement of the main bracket bottom plates].

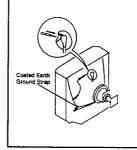


Ensure that wires do not touch heatsinks and high temperature hotspots. All wires must be kept at a minimum distance of 20mm away from the EHT lead

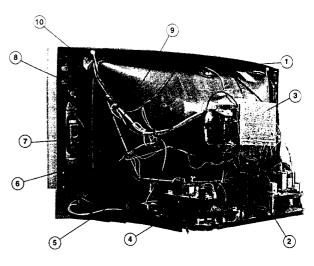
2-12. Picture Tube Removal

WARNING: BEFORE REMOVING THE ANODE CAP

High voltage remains in the CRT even after the power is disconnected. To avoid electric shock, discharge CRT before attempting to remove the anode cap. Short between anode and CRT coated earth ground strap.







- 1. Discharge the anode of the CRT and remove the anode cap.
- 2. Unplug all interconnecting leads from the Deflection yoke, neck assy, degaussing coils and CRT grounding strap.
- 3. Remove the C2 Board from the CRT.
- 4. Remove the chassis assembly.
- 5. Loosen the Neck assembly fixing screw and remove.
- 6. Loosen the Deflection yoke fixing screw and remove.
- 7. Place the set with the CRT face down on a cushion and remove the Degaussing Coil holders.
- 8. Remove the Degaussing Coils.
- 9. Remove the CRT grounding strap and spring tensioners.
- 10. Unscrew the four CRT fixing screws [located on each CRT corner] and remove the CRT. [Take care not to handle the CRT by the neck.]

Removal of the Anode-Cap

REMOVAL PROCEDURE.



1 Turn up one side of the rubber cap in 2 Using a thumb pull up the rubber cap 3 When one side of the rubber cap is the direction indicated by the arrow(a)



firmly in the direction indicated by the arrow (b)



separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling it up in the direction of the arrow (c)

How to handle the Anode-Cap

- 1. To prevent damaging the surface of the anode-cap do not use sharp materials.
- 2. Do not apply too great a pressure on the rubber, as this may cause damage to the anode connector.
- 3. A metal fitting called a shatter hook terminal is fitted inside the rubber cap.
- Do not turn the rubber foot over excessively, this may cause damage if the shatter hook sticks out.





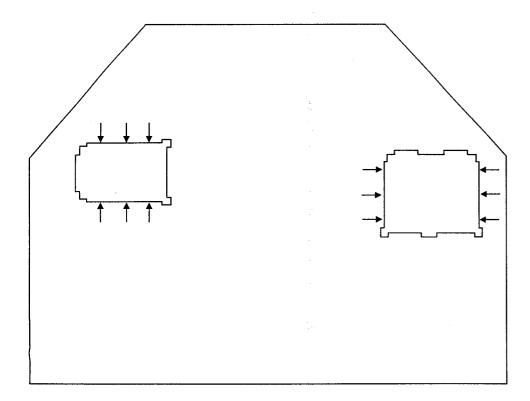
REMOVAL AND REPLACEMENT OF THE MAIN-BRACKET **BOTTOM PLATES.**

(1) REMOVING THE PLATES

In the event of servicing being required to the solder side of the printed wiring boards, the bottom plates fitted to the main chassis bracket require to be removed.

This is performed by cutting the gates with a sharp wire cutter at the locations indicated by the arrows.

Note: There are 2 plates fitted to the main bracket. Only remove the necessary plate to gain access to the printed wiring board.



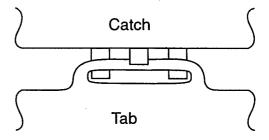


For safety reasons, on no account should the plates be removed and not refitted after servicing.

(2) REFITTING THE PLATES

Because the plates differ in size it is important that the correct plates are refitted in their original location.

Please note that the plates need to be rotated 180 degrees from their cut position to allow the tabs to be fitted into their catch positions.



SECTION 3 SET-UP ADJUSTMENTS

- When complete readjustment is necessary or a new picture tube is installed, carry out the following adjustments.
- Unless there are specific instructions to the contrary, carry out these adjustments with the rated power supply.
- Unless there are specific instructions to the contrary, set the controls and switches to the following settings:

Contrast	normal	
Brightness	normal	

Carry out the adjustments in the following order:

- 3-1. Beam Landing and Geometry.
- 3-2. Convergence.
- 3-3. Focus.
- 3-4. White Balance.

Note: Test equipment required.

- Color bar/pattern generator.
- Degausser.
- Oscilloscope.
- Digital multimeter.
- TT Commander

3-1. Beam Landing

Preparation:

- In order to reduce the influence of geomagnetism on the set's picture tube, face it in an easterly or westerly direction.
- 2. Switch on the TV set's power and degauss with a degausser.

(1) Adjustment of Correction Magnet for Y-Splitting Axis.

- 1. Input a crosshatch signal from the pattern generator,
- Set the Picture control to minimum and confirm that the Brightness control is set to normal.
- 3. Position the neck assembly as indicated in Fig.3-3.
- 4. Loosen the deflection yoke fixing screw.
- 5. Move the deflection yoke as far forward as is possible.
- 6. KV-36HO100

Fig.3-1

Adjust the upper and lower pin symmetrically by opening or closing the Y-splitting axis correction magnets located on the neck assembly. [See Fig 3-1]

KV-32HO100

Enter the Deflection Service Menu as shown on page 30 and adjust VPIN_32.

 Return the deflection yoke to its original position and re-tighten its fixing screw.

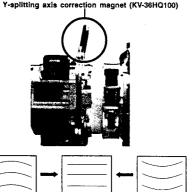


Fig.3-2

Caution:

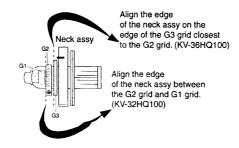
High voltages are present on the Deflection yoke terminals - take care when handling the Deflection yoke whilst carrying out adjustments.

(2) Landing and Geometry

Note: Before carrying out the following adjustments adjust the magnets as indicated on page 23 [See Fig.3-4].

- 1. Input a crosshatch signal from the signal generator.
- 2. Rough-adjust the focus and horizontal convergence.
- 3. Switch from the crosshatch pattern to an all-red pattern.
- Move the deflection yoke backwards and adjust with the purity magnet so that the red is at the centre and it aligns symmetrically [See Fig.3-5].
- Move the deflection yoke forward to the point where the entire screen just becomes red [Mark its position].
- Move the deflection yoke further forward until the screen just changes colour at the edges. [Mark its position].
- 7. Position the deflection yoke between the two marks indicated
- Input a crosshatch pattern from the pattern generator and rotate the deflection yoke so that the horizontal lines are parallel with the top and bottom of the screen.
- When the position of the deflection yoke has been determined, fasten it with its fixing screw.
- Once dy rotation and swing left and right for h linearity is ok on cross hatch pattern, insert dy wedges. [See Fig. 3-6].
- Switch the pattern generator to green then blue and confirm the purity.
- If the beam does not land correctly in all the corners of the screen, use SFC correction. (See Page 23)

Fig.3-3



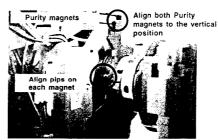
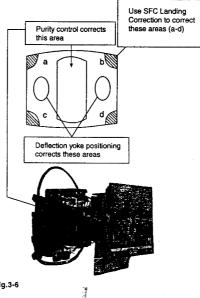
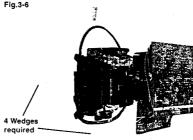


Fig.3-4

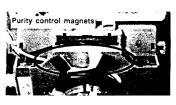


Fig.3-5



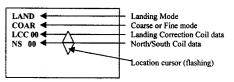


Note A new DY spacer was used during manufacture of KV-36HQ100. If the DY is changed then the spacers on the CRT funnel can be used. If the CRT is changed then use standard DY spacer.



3-2. SFC Landing Correction

- 1. Use TT Commander to Obtain TT55
- SFC Menu & Crosshatch pattern will appear. Press button'2' to toggle to Landing mode. Menu will appear as;



To adjust Landing, Choose Coarse or Fine mode by toggling button '9'.

COARSE MODE ADJUSTABLE LOCATION



*In Coarse Mode, all data will change equally for that particular side.

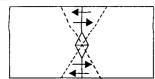
FINE MODE ADJUSTABLE LOCATION



*In Fine Mode, data will change for that position only.

- 4. Use commander arrows to move flashing location cursor to required position for adjustment.
- Choose required location by using arrow up, down, right, left on commander to move location cursor. (Cursor will start in centre position)
- 6. Edge locations only will adjust LCC coil data.
- Centre point will adjust NS coil data. (To obtain centre
 position, choose COARSE mode, move cursor to +ve or-ve
 x-axis and press left or right once.

N-S Coil Effect



- Once location is chosen, press 'OK' once, colour raster will
 appear, flashing cursor will disappear. Press Text colour keys
 (R,G,B,(Y=White)) to choose preferred raster colour. Use
 commander arrow keys left & right to change LCC or NS coil
 data in required mode. Once mis-landing has disappeared,
 press 'OK once again. This will bring back SFC cross hatch
 pattern.
- If required, re-select another location for adjustment and repeat steps 5) to 8).
- Once all adjustment is complete, press 'Mute' key to Exit SFC Test mode.



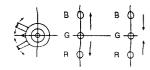
- (1) Change Adjust Point
- ② Toggle Landing <> Convergence
- (4) Reverse the adjustment point
- (6) Video 5 ⇔ Video 4
- ⑤ Coarse ← Fine
- Exit SFC Test Mode

3-3. Convergence

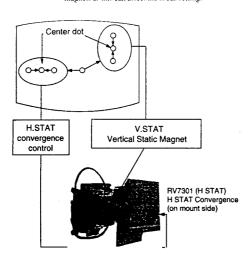
Screen centre convergence [Static convergence]

- 1. Input a dot pattern signal from the pattern generator.
- 2. Normalize the picture setting.
- [Moving vertically], adjust the V.STAT magnet so that the vertical red, green and blue dots coincide at the centre of the screen.

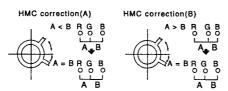
By opening or closing the V.STAT magnet, the red green and blue dots move in the direction indicated below.



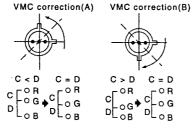
Note: Do not adjust the H.STAT by rotating the V.STAT magnets as this can affect the focus setting.



- Correction for HMC [Horizontal mis-convergence] and VMC [Vertical mis-convergence] by using the BMC [Hexapole] magnet.
- a). HMC correction by BMC [Hexapole] magnet and movement of the electron beam.



 b). VMC correction by BMC [Hexapole] magnet and movement of the electron beam.



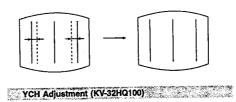
5. (KV-36HQ100)

When centre convergence adjustment is correct, use SFC Convergence Correction for other areas of the screen. (See page 25).

TLH Adjustment (KV-32HQ100)

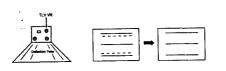


TLH correction can be performed by adding a THL correction assembly to the Deflection yoke.





TLV Adjustment (KV-32HQ100)



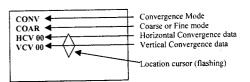
H-TRAP Adjustment (KV-32HQ100)



The H-TRAP should not be adjusted unless absolutely necessary as it 7. affects the TLV settings.

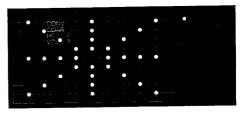
3-4. SFC Convergence Correction (KV-36HQ100)

- 1. Use TT Commander to Obtain TT55
- SFC Menu & Crosshatch pattern will appear. Press button 2: to toggle to Convergence mode. Menu will appear as;



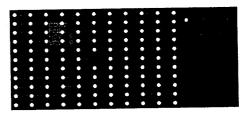
 To adjust Convergence, choose Coarse or Fine mode by toggling button '9'.

COARSE MODE ADJUSTABLE LOCATION

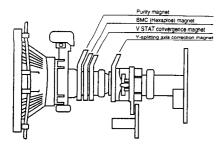


*In Coarse Mode, all data will change equally for that particular column area.

FINE MODE ADJUSTABLE LOCATION

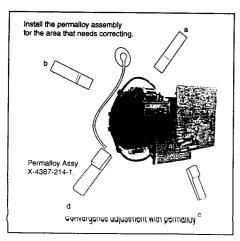


- *In Fine Mode, data will change for that position only.
- Use commander arrows to move flashing location cursor to required position for adjustment.
- Choose required location by using arrow up, down, right, left on commander to move location cursor. (Cursor will start in centre position)
- Once location is chosen, press 'OK' once, cross hatch pattern will remain and HCV and VCV will be adjustable., location cursor will not flash.
- Toggle commander arrows left and right to adjust HCV, up and down arrows to adjust VCV. Text colour buttons can be pressed to check each colour if necessary. If mis-convergence has disappeared, press 'OK' once more, cursor will start to flash
- 8. If required, re-select another location for adjustment and repeat steps 5) to 7).
- Once all adjustment is complete, press 'Mute' key to Exit SFC Test mode.



Note: On KV-32HQ100 if you are unable to adjust the corner convergence properly, this can be corrected with the use of permalloy magnets.

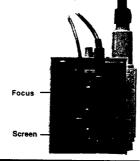




3-5. Focus Adjustment

- Receive a cross hatch pattern from a video generator.
- Adjust the focus control located on the flyback transformer to the best level at the centre of the screen.
- Check left and right x-axis vertical line thickness and adjust to make them as thin as possible.
- Considering x-axis and centre, adjust to make uniform.
- 5. If no cross hatch signal is possible, follow the next three steps.
- Receive a television broadcast signal.
- 7. Normalize the picture setting.
- Adjust the focus control located on the flyback transformer to obtain the best focus at the centre of the screen.

Bring only the centre area of the screen into focus, the magentaring appears on the screen. In this case, adjust the focus to optimize the screen uniformly.



3-6. Screen (G2), White Balance

[Adjustment in the service mode using the remote commander]

G2 adjustment

- Input a dot signal from the pattern generator.
- Set the Picture, Brightness and Colour to minimum.
- Apply 169V DC from an external power supply to the R, G and B cathodes of the CRT.
- Whilst watching the picture, adjust the G2 control [SCREEN] located on the flyback transformer to the point just before the flyback return lines disappear.

White balance adjustment for TV mode

- 1. Input an all-white signal from the pattern generator.
- Program the Remote Commander for operation in Service Mode. [See Page 27].
- Enter into the 'Service Mode' by pressing 'VIDEO' button twice and 'MENU' on the Service Commander.
- Select 'Device Register Setting' from the on screen menu display and press 'Right Arrow'.
- Select 'Backend' from the on screen menu display and press 'Right Arrow'.
- 6. Set the 'Contrast' to MAX.
- 7. Set the 'R-Drive' to 45.
- Adjust the 'G-Drive' and the 'B-Drive' so that the white balance becomes optimum.
- 9. Press the 'OK' button to write the data for each item.
- Set the 'Contrast' to MIN.
- 11. Set the 'R-Cutoff' to 35.
- Adjust the 'G-Cutoff', and the 'B-Cutoff' with the left and right buttons on the remote commander so that the white balance becomes optimum.
- 13. Press the 'OK' button to write the data for each item.

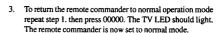
SECTION 4 CIRCUIT ADJUSTMENTS

4-1. Electrical Adjustments

Service adjustments to this model can be performed using the supplied remote Commander RM-940.

Programming the Remote Commander for Operation in Service Mode

- Press and hold the left Mode Select buttor until the VCR and DVD LED's flash.
- Press 99999. The TV LED should light The remote commander is now set to Service Mode.



Setting the TV into Service Mode

- Program the remote commander for operation in Service Mode as described above.
- 2. Turn on the TV main power switch.
- Press the video standby button on the remote commander twice.
 - "TT__' will appear in the upper right comer of the screen. Other status information will also be displayed.
- Press 'MENU' on the remote commander twice to obtain the following menu on the screen.

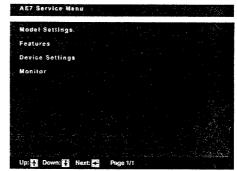


Table.4-1

- Move to the corresponding adjustment item using the up or down arrow buttons on the Remote Commander.
- 6. Press the right arrow button to enter into the required menu item.
- Press the 'Menu' button on the Remote Commander to quit the Service Mode when all adjustments have been completed.

Note:

- After carrying out the service adjustments, to prevent the customer accessing the 'Service Menu' switch the TV set OFF and then ON.
- Certain menu items are only available in production mode,

Model Settings

'Model Settings' is a sub menu of the 'Service Menu'.

This menu stores a list of models that are supported by the chassis.

Press the cursor right key to move to the model selection then press
the cursor up or down keys to scroll through the models available.

Press the OK key to select the model highlighted by the cursor.

The model setting is stored in flash and is used by the software for model dependent features or parameters to be available. The cursor left key will return to 'Service Menu'.



Table.4-2

Features

'Features' is a sub menu of the 'Service Menu'.

This menu is used to set up the digital camera and memory stick for those models which have this accessory and functions.

Press the cursor right key to move to the selection field then press the cursor up or down keys to scroll to Yes or No. Press the OK key to select the required option.

The cursor left key will return to 'Service Menu'.

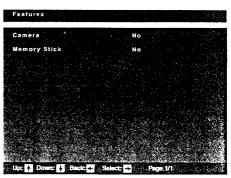


Table.4-3

Device Settings

'Device Settings' is a sub menu of the 'Service Menu'. This menu displays a list of I2C devices that are used in the chassis. Pressing the cursor up & down keys will scroll through the options available.

The cursor left key will return to 'Service Menu'.

Device Settings	
Backend	
3D Comb	
Analogue Chroma	
Digital Chroma	
Analogue Sound	
Up: Down: Back: Next. Page 1/1	

Table.4-4

The following are examples of the menus and submenus within the Device Settings Menu.

Backend	
CXA2170 Backend	
CXA2170_Backend_Setup	
CXA2170 Deflection	
CXA2170, Status	
MB88141 Deflection DAC	
CXB9781_SFC	
CXB9781_SFC_Setup	
Up: Down: Back Next Page 1	п

Table.4-5

CXA2170_Backend

No.	Name	Def.	* Min	Max	Vel.
ंत	PIC ON	7	-0	1 .	1
2	B_ON	0	.0	3	
3	G_ON	.0	-D		
4	B_ON		. 40	1,1	
. 25	DCOL	.0	Đ	3	o
- 6	WB SW	D	0	1	0
7	PICTURE	45	D	:63	40
. 18	VM_LMT	3	. 0	ા	.3
	HUE	231	.0	62	31
-10	YOFFSET_SW		. 0	4	AD .
. Up:	Down: Back	₫ Edit:	Reset:Ri	D Key Pa	ige 1/6

CXA2170_Backend_Setup

No.	Name		Det.	Min	Max	Val.	
7	SUB, COL	DUR	0	-6	8	119	
							9
Lin	Down: Se	Back PS	Edit: 53	Recet-RF	D Kev	Page 1/1	
υр.	S. DOWIL D.S.	DOGN. Fig.	F-011 - 1/86			. 090 111	

Table.4-7

CXA2170_Deflection

	No.	Name		Def.	Min	Max	Val.
	1	UP BLK		0	0	15	0
		LO BLK		0	0	15	0
-		V SIZE		45	c	63	40
		V. ON			0		
		SW DC			0		0
ı		V POS		34	0	63	22
		PST_SW					e
	9	V.LIN			C	15	
		s corr		0	o	15	D 🗸
	16	H SIZE		30	C	63	25
Ì	Up:	Down 🦠	Back: (8.6)	Edit: }	् Resct∶RE	D Key	Page 1/8

Table.4-8

CXA2170_Status

Nο.	Name		Def.	Min	Max	Val.
1	HLOCK		. 0	c	1	1
-2	IKR		0	10	1	1
.3	HNG		0	0	1	Ü
4	VNG		0	0	.1	0
*						
.7						
Up:	Down:	Back:	Edit:	Reset:RE	D Key Pa	ge 1/1

Table.4-9

MB88141_Deflection_DAC

	No.	Name	Def.	Min	Max	Val:
1	1	SFC_YSYM	a	0	255	128
		UNUSED	0	0	255	83
ı		DF_PHASE	175		255	172
1		H_LINEARITY	127		255	0
1		UNUSED	0		255	220
-1	5	UNUSED	0	0	255	129
ı		OF PHASE	105		255	157
1	6	UNUSED			255	170
į		MID LINEARITY	130		255	157
	10	H CENTRE	140		255	255
	Up:	Down: Back:	Edit: Tirl	Reset:REI	Key	Page 1/2
•						

Table.4-10

CXD9761_SFC

No.	Name	ſ	et.	Min	Max	Val.
1	L_YEU		Đ	~12B	127	10
2	L TEM		17	-128	127	
3	L TED			-128	127	
4	R TEU		0	-128	127	10
5	R_TEM		70	-128	127	
6	B_TEO		0	-128	127	
7	NSTE			-128	127	
8	L_ENU		0	-128	127	
9	LENM		3	-128	127	
10	LEND		0	-128	127	
Up:	Down:	Back:	Edit:	Reset:RE	D Key	Page 1/5

Table.4-11

CXD9761_SFC_Setup

No.	Name		Def.	Min	Max	Val.
1.1	PGM_AR	RAY	3	0	7	7
. 2	нсмх		32	0	127	127
.3	VEMK		32	0	127	127
4	LCMX		64	0	127	127
5	LAMX		64	0,	127	127
-6	NSMX		64	0	127	127
. 7	TESW			D	٦.	
. 8	ENSW		a ·		1	1
9	NSSW		_4 -	0		1
10	EWSW		1	.00		D
Up:	Down:	Back:	Edit:	Reset:RI	ED K ey	Page 1/3

Table.4-12

3D Comb

3D Comb			
CXD3804R Control			
CXD3804R_Status			
Up: 🛬 Down: 💢 Back: 🎚	. Next: 🗯	Page 1/1	
.34. 2.0 12			

Table.4-13

CXD3804R_Control

Na	Name	C	et.	Min	Max	Val.
1	PLL		0	Đ	3	C
2	CKSEL			O		1
	ADCKSEL			0		0
4	INSW			0		0
5	THRU		3	0	3	3
6	PDWN			0		Ø
7	VSIZE					
В	HSIZE			0		
9	PNSW			0		
10	PEDCLIP			Û		0
Up:	Down: 🔯	Back: 🔊	Edit:	🧏 Reset:RE	D Key	Page 1/9

Table.4-14

CXD3804R_Status

No.	Name	Def	Min Me	x Val.
1	Undefined	0	0 25	5 0
				· 2
Up:	Down: B	ack: Edit:	Reset:RED Key	Page 1/1

Table.4-15

Table.4-16 Ta

No.	Name	Def.	Min	Max	Val.
1	PN ID	0	0	1	0
2	PN_GW	0	0		0
3	HUE	0	0		0
4	SUB_CONTRAST	0	0		D
5	SUB COLOR		0	3	3
6	SHARPNESS_GAIN	10	0	15	10 ′
	SHARPNESS EQ				
8	SHARPNESS FO				2
9	BS_POINT	8	0	3	0
10	Y OUT LEVEL	11	0	63	11
Up: 2	Down: Back:	Edit: 3	Reset:RE	D Kev	Page 1/5

Table.4-17

CXA2163Q_Status

CXA2163Q_Control

Nο.	Name	Def.	Min	Max	Val.
1	POA	0	o	1	0
	COLOR SYSTEM		0		
3	X_TAL	0	Q	3	G
4	N DET	0	0	3	0
	H_LOCK	0	0		
6	V FREQ	٥	0		0
	V_STD	0	O.		
8	C IN	0	0		0
9	V SIG	0	0		0
10	V15	0	0		0
Up:	Down: Back:	Edit:	Reset:RE	D Kev F	age 1/1

Table.4-18

Digital Chroma Video Decoder (Main) Audio Clock Generation (Main) Video Decoder (Sub) Audio Clock Generation (Sub)

Table.4-19

Video Decoder (Main)

Digital Chroma

	Na,	Name	Def.	Min	Max	∴Val.
	1	FUSE	2	0	3	2
	2	MODE	49	O .	6.3	10
	3	GAFIX		0		
	4	GA12B	0	0		0
	5	GAI18	0	0		0
	6	GA117-GA110	32		255	64
w	7	GA127-GA126	192		255	224
	8	BYPS				
	9	YCOMB		0		e
	10	LUFI		a	15	9
	Up: 3	🖟 Down: 🎉 Back: 💯	Edit:	Reset:RE) Key	Page 1/3

Table.4-20

Audio Clock Generation (Main)

	Νa.	Name		Def.	Min	Max	Val.
I	1	ACPF		Đ	0	262143	¢.
ı							
ı							
ı							
	Up: ∮	Down: 🔯	Back: 💯	Edit: 🎏	Reset:RED	Key Pag	e 1/1

Table.4-21

Analogue Sound

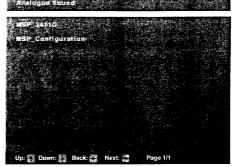


Table.4-22

MSP_3411G

No.	Name	Det.	Min	Max	Vel.
Ť	Vol_Loud	0	0	127	48
2	L_Bai	0	-127	127	ø
3	L Bass	0	-96	127	0
4	L_Treble	0	-96	120	0
5	LLoud	0	0	68	23
6	Spatial	0	-128	127	0
7	Spatial_Mode	0	Đ	46	G
8	Voi Head		0	127	0
9	PRE_FM	27	0	127	27
10	PRE 125	16	0	127	16
Up:	Down: Beck: 🤾	Edit: 🐇	Reset:RE	D Key	Page 1/4

Table.4-23

MSP_Configuration

No.	Name	Det.	Min	Max	Val.
	AMBASE ON		0		
2	NICAM_ON		0		
3	PRE_NICAM_BG	53	0	127	53
4	PRE_NICAM L	59	0	127	59
5	PRE_NICAM_DK	53	0	127	53
6	PRE NICAM 1	97	0	127	97
Hari	Down: Back:	e entre	% Barret Br	- D Kan D	age 1/1

Table.4-24

Monitor

'Monitor' is a sub menu of 'Service Menu'.

Pressing the cursor up & down keys will scroll through the options available.

The cursor left key will return to 'Service Menu'.

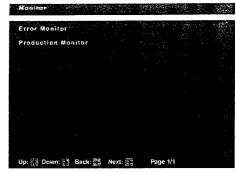


Table.4-25

Error Monitor

Error Monitor	
Error Detection	On
Error 1	No Error
Error 2	No Errar
Error 3	No Error
Error 4	No Error
Error 5	No Errar
Operating Time	
Hours :	000013
Mins:	30
Up: 🎧 Down: 💥 Back:	Edit: 💯 Page 1/1

Table.4-26

Production Monitor

Production Monitor		
Model/Chassis	36HQ100/AE-7A	
M2 SW Version	RELEASE_M2_N	065
MIPS SW Version	1.26/0	
TM SW Version	1.26/0	
BTM SW Version	1.00/0	
Destination	BL	
Service Mode	Service	
Auto Standby	Enabled	
FM Overmodulate	Disabled	
100Hz Mode Menu	Disabled	
Up: 33 Down: 32 Back: 23	Edit: Page 1/1	

Table.4-27

Deflection System Adjustment

- Enter into the service mode and select 'Device Settings'
 =>'Backend'=>'CXA2170_Deflection' from the
 menu. The 'Deflection' adjustment menu will be displayed.
- 2. Select and adjust each item to obtain the optimum image.

Nø.	Name		Det.	Min	.Max	Val.
1	UP BLK		0	0	15	9
2	LO_BLK			0	15	0
3	V SIZE		45	0	63	40
4	V.ON					
5	SW_DC		0			
6	V POS		34	0	63	22
7	RST_SW		Đ	n		0
8	V LIN				15	
9	S CORR				15	
10	H SIZE		30	0	63	25
Up:	Down:	Back: 200	Edit: 🎡	Reset:R	ED Key	Page 1/8

Table.4-28

No.	Name	Def.	Min	Max	Val.
11	UP_UCP	0	0	3	G
1.2	PIN AMP	16	0	63	16
13	LO UCP		0		
14	UF_CPIN	35		63	35
15	UP UCG	0	0	3	0
16	LO, CPIN	35	0	63	35
17	TO BOR			3	0
18	PIN_PHASE	29		63	26
19	UC_POL	Đ	0		D
20	PC POL	0	9		D
	Down: Back:	Edit:	Reset RE	D Key	Page 2/8

Table.4-29

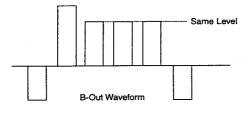
∷No.	Neme ÷	Def.	, Min , "	Mak	. Val.
21	H_POS	31	D	63	0
22	MS15K	0	0		0
.23	CLP_SHIFT	9	.0		0
. 24	AFC_BOW	33	10	63	35
26	AFC MODE	2	D	3	2
26	AFC_ANGLE	30		-63	30
27	SYNC PHASE		:0	я	10 ×
28	LEFT_BLK	33	.0	63	52
29	CLP_PHASE	10	. 0	3	70
30	RIGHT_BLK	27	o o	63	22
Up:	Down: Re B	eck 🚰 Edit: 🕻	Reset:RI	D Key	Page 3/8

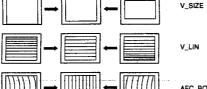
Table.4-30

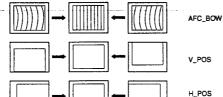
4-2. Volume Electrical Adjustments

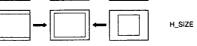
Sub Colour Adjustment

- 1. Input a PAL colour bar signal.
- Connect an oscilloscope to CN7301 pin 5 located on the C2 Board.
- 3. Set the TV into 'Service Mode' (See page 27).
- Choose 'Device Settings' > 'Backend' >
 'CXA2170_Backend_Setup' from the menu.
- Adjust 'SUB_ COLOUR' data so that the right sides of the waveform are of equal height.







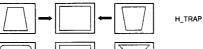


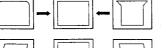
PIN_AMP

UP_CPIN

AFC_ANGLE





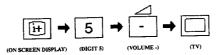




4-3.TEST MODE 2:

Is available by pressing the 'VIDEO' button twice, when the remote commander is set to 'Service Mode' (See Page 27), OSD 'TT' appears. The functions described below are available by selecting the two numbers. To release the 'Test mode 2', press 0 twice, press the TV button or switch the TV set into Stand-by mode.

switch the 1 v set this Stand-by mode. Pressing the two Local Control buttons (PROG + and -) during power ON will also switch into 'TT' mode. Also with the TV in standby mode use the following key sequence.



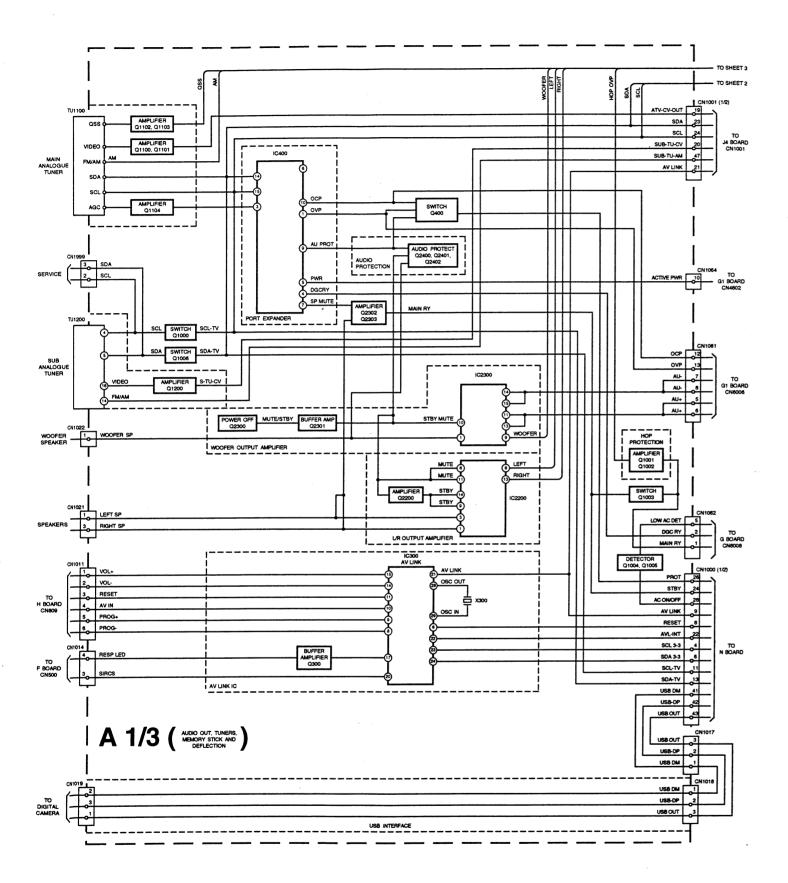
	Enter Service Menu
.00	Exit from'TT' mode
.01	Set picture level to maximum
	Set picture level to minimum
03 =	Set speaker/headphone Volume to 35%
D444	Set speaker/headphone Volume to 50%
	Set speaker/headphone Volume to 65%
. 061	Set speaker/headphone Volume to 80%
. 07.	Ageing mode on
08 14	Shipping Condition
	Sub picture adjustment
	Sub colour adjustment
13.	Sub brightness adjustment
15	Rotation coil test
16 *	Picture level 50%
₹ 17.	Production monitor
	Design mode enable/disable
19*	Production mode enable/disable
* 21.	Destination ADE
22	Destination B, Multi
24	Destination U
27	Destination K
28 ₩	Destination R
29	H Centre Adjustment
31	Auto standby enable/disable
34	Screen Mode Automatic Test
* 36	VM off/on test
37	VM on
38	VM off
43	Select Dual A sound
44	Select Dual B sound
45	Select Mono sound

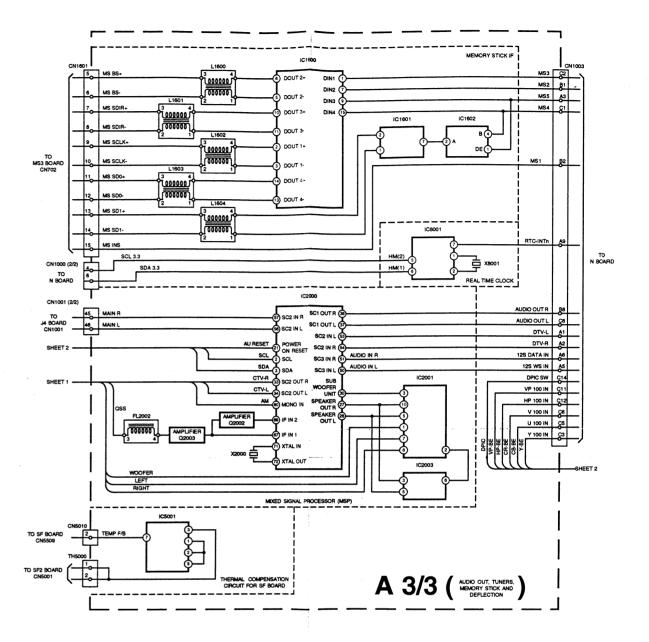
55. Enter SFC adjustment mode 56. Focus Phase adjust 57. Focus DC level adjust 58. Memory Sück Capture Test 59. Camera Test 62.3 AM from baseband enable/disable 65. Reset Errors		
49 Set Flash as virgin 51 Virtual Dolby or/off 52 Subwoofer check 54 FM Overmodulation enable/disable 55 Enter SFC adjustment mode 56 Focus Phase adjust 57. Focus DC level adjust 58 Memory Stick Capture Test 59 Camera Test 62 AM from baseband enable/disable 65 Roset Errors 66 Error Checking enable/disable 71 Force PAL 72 Unforced PAL 73 Pin Amp/UC Pin Deflection offset adjust 76 LC Pin/Trap Deflection offset adjust 77 Reset Deflection offsets 78 Balance full left 79 Balance full right 81 Digital BER Display On/Off 87 Local keys test 88 Clear digital tuning database 91 Set 14:9 mode 92 Set Smart mode 93 Set 16:9 mode 94 Set ZOOM mode 95 Set 4:3 mode 96 TS path switch (tuner/Cl slot)	46	Select Stereo sound
51 Virtual Dolby or/off 52 Subwoofer check 54 FM Overmodulation enable/disable 55 Enter SFC adjustment mode 55 Focus Phase adjust 57. Focus DC level adjust 58 Memory Stick Capture Test 59 Camera Test 62 AM from baseband enable/disable 62 AM from baseband enable/disable 63 Ferror Checking enable/disable 71 Force PAL 72 Unforced PAL 73 Unforced PAL 75 Pin Amp/UC Pin Deflection offset adjust 76 EC Pin/Trap Deflection offset adjust 77 Reset Deflection offsets 78 Balance full left 79 Balance full right 81 Digital BER Display On/Off 87 Local keys test 88 Clear digital tuning database 91 Set 14:9 mode 92 Set Smart mode 93 Set 16:9 mode 94 Set ZOOM mode 95 TS path switch (tuner/Cl slot)	476	Set Flash as non-virgin
52 Subwoofer check 54 FM Overmodulation enable/disable 55 Enter SFC adjustment mode 56 Focus Phase adjust 57. Focus DC level adjust 58 Memory Stick Capture Test 59 Camera Test 62 AM from baseband enable/disable 65 Fror Checking enable/disable 66 Error Checking enable/disable 71 Force PAL 72 Unforced PAL 75 Pin Amp/UC Pin Deflection offset adjust 76 LC Pin/Trap Deflection offset adjust 77 Reset Deflection offsets 78 Balance full left 79 Balance full right 81 Digital BER Display On/Off 87 Local keys test 88 Clear digital tuning database 91 Set 14:9 mode 92 Set Smart mode 94 Set ZOOM mode 95 Set 4:3 mode 96 TS path switch (tuner/Cl slot)	49	Set Flash as virgin
FM Overmodulation enable/disable 55 Enter SFC adjustment mode 56 Focus Phase adjust 57 Focus DC level adjust 58 Memory Stick Capture Test 59 Camera Test 62 AM from baseband enable/disable 55 Fesst Errors 66 Error Checking enable/disable 71 Force PAL 72 Unforced PAL 75 Pin Amp/UC Pin Deflection offset adjust 76 LC Pin/Trap Deflection offset adjust 77 Reset Deflection offsets 78 Balance full left 79 Balance full right 81 Digital BER Display On/Off 87 Local keys test 88 Clear digital tuning database 91 Set 14:9 mode 92 Set Smart mode 93 Set 16:9 mode 94 Set ZOOM mode 95 Set 4:3 mode 96 TS path switch (tuner/Cl slot)	s 51*	Virtual Dolby on/off
55% Enter SFC adjustment mode 56% Focus Phase adjust 57% Focus DC level adjust 58% Memory Stick Capture Test 59% Camera Test 62% AM from baseband enable/disable 65% Reset Errors 66% Error Checking enable/disable 71 Force PAL 72 Unforced PAL 75% Pin Amp/UC Pin Deflection offset adjust 76% LC Pin/Trap Deflection offset adjust 77% Reset Deflection offsets 78% Balance full left 79% Balance full right 81% Digital BER Display On/Off 87% Local keys test 88% Clear digital tuning database 91% Set 14:9 mode 92% Set Smart mode 93% Set 16:9 mode 94% Set ZOOM mode 95% Set 4:3 mode 95% TS path switch (tuner/Cl slot)	52	Subwoofer check
59 Camera Test 62 AM from baseband enable/disable 65 Reset Errors 66 Error Checking enable/disable 71 Force PAL 72 Unforced PAL 75 Pin Amp/UC Pin Deflection offset adjust 76 LC Pin/Trap Deflection offset adjust 77 Reset Deflection offsets 88 Balance full left 89 Balance full right 81 Digital BER Display On/Off 87 Local keys test 88 Clear digital tuning database 91 Set 14:9 mode 92 Set Smart mode 93 Set 16:9 mode 94 Set ZOOM mode 95 Set 4:3 mode 96 TS path switch (tuner/Cl slot)	54	FM Overmodulation enable/disable
57. Focus DC level adjust 58 Memory Stick Capture Test 59 Camera Test 62 AM from baseband enable/disable 65 Reset Errors 66 Error Checking enable/disable 71 Force PAL 72 Unforced PAL 75 Pin Amp/UC Pin Deflection offset adjust 76 LC Pin/Trap Deflection offset adjust 77 Reset Deflection offset adjust 78 Balance full right 81 Digital BER Display On/Off 87 Local keys test 88 Clear digital tuning database 91 Set 14:9 mode 92 Set Smart mode 93 Set 16:9 mode 94 Set ZOOM mode 95 Set 4:3 mode 96 TS path switch (tuner/Cl slot)	* 55 s	Enter SFC adjustment mode
Memory Stick Capture Test S9 Camera Test 62 AM from baseband enable/disable 65 Reset Errors 66 Error Checking enable/disable 71 Force PAL 72 Unforced PAL 75 Pin Amp/UC Pin Deflection offset adjust 76 LC Pin/Trap Deflection offset adjust 77 Reset Deflection offset adjust 78 Balance full left 79 Balance full right 81 Digital BER Display On/Off 87 Local keys test 88 Clear digital tuning database 91 Set 14:9 mode 92 Set Smart mode 94 Set ZOOM mode 95 Set 4:3 mode 96 TS path switch (tuner/Cl slot)	∴ 56 🐍	Focus Phase adjust
59 Camera Test 62 AM from baseband enable/disable 65 Reset Errors 66 Error Checking enable/disable 71 Force PAL 72 Unforced PAL 75 Pin Amp/UC Pin Deflection offset adjust 76 LC Pin/Trap Deflection offset adjust 77 Reset Deflection offsets 88 Balance full left 89 Balance full right 81 Digital BER Display On/Off 87 Local keys test 88 Clear digital tuning database 91 Set 14:9 mode 92 Set Smart mode 93 Set 16:9 mode 94 Set ZOOM mode 95 Set 4:3 mode 96 TS path switch (tuner/Cl slot)	57.	Focus DC level adjust
AM from baseband enable/disable 65 Reset Errors 66 Error Checking enable/disable 71 Force PAL 72 Unforced PAL 75 Pin Amp/UC Pin Deflection offset adjust 76 LC Pin/Trap Deflection offset adjust 77 Reset Deflection offsets 88 Balance full left 79 Balance full right 81 Digital BER Display On/Off 87 Local keys test 88 Clear digital tuning database 91 Set 14:9 mode 92 Set Smart mode 93 Set 16:9 mode 94 Set ZOOM mode 95 Set 4:3 mode 96 TS path switch (tuner/Cl slot)	∌ 58 🕏	Memory Stick Capture Test
85 Reset Errors 66 Error Checking enable/disable 71 Force PAL 72 Unforced PAL 75 Pin Amp/UC Pin Deflection offset adjust 76 LC Pin/Trap Deflection offset adjust 77 Reset Deflection offset adjust 78 Balance full left 79 Balance full right 81 Digital BER Display On/Off Local keys test 85 Clear digital tuning database 91 Set 14:9 mode 92 Set Smart mode 93 Set 16:9 mode 94 Set ZOOM mode 95 Set 4:3 mode 96 TS path switch (tuner/Cl slot)		
### Fror Checking enable/disable ### Force PAL ### Unforced PAL ### Unforced PAL ### Unforced PAL ### Pin Amp/UC Pin Deflection offset adjust #### LC Pin/Trap Deflection offset adjust #### Balance full left #### Balance full left #### Balance full right #### Digital BER Display On/Off #### Digital BER Display On/Off ##### Local keys test ##### Set 14:9 mode #### Set 14:9 mode ### Set ZOOM mode #### Set ZOOM mode #### Set ZOOM mode #### TS path switch (tuner/Cl slot)	* 62	AM from baseband enable/disable
71 Force PAL 72 Unforced PAL 75 Pin Amp/UC Pin Deflection offset adjust 76 LC Pin/Trap Deflection offset adjust 77 Reset Deflection offset adjust 78 Balance full left 79 Balance full right 81 Digital BER Display On/Off 87 Local keys test 88 Clear digital tuning database 91 Set 14:9 mode 92 Set Smart mode 93 Set 16:9 mode 94 Set ZOOM mode 95 Set 4:3 mode 96 TS path switch (tuner/Cl slot)	65 🚜	Reset Errors
72 Unforced PAL 75 Pin Amp/UC Pin Deflection offset adjust 76 LC Pin/Trap Deflection offset adjust 77 Reset Deflection offsets 78 Balance full left 79 Balance full right 81 Digital BER Display On/Off 87 Local keys test 88 Clear digital tuning database 91 Set 14:9 mode 92 Set Smart mode 93 Set 16:9 mode 94 Set ZOOM mode 95 Set 4:3 mode 96 TS path switch (tuner/Cl slot)	** 86***	Error Checking enable/disable
75 Pin Amp/UC Pin Deflection offset adjust 76 LC Pin/Trap Deflection offset adjust 77 Reset Deflection offset adjust 78 Balance full left 79 Balance full left 81 Digital BER Display On/Off 87 Local keys test 88 Clear digital tuning database 91 Set 14:9 mode 92 Set Smart mode 93 Set 16:9 mode 94 Set ZOOM mode 95 Set 4:3 mode 96 TS path switch (tuner/Cl slot)	. 71	Force PAL
76 LC Pin/Trap Deflection offset adjust 77 Reset Deflection offsets 78 Balance full left 79 Balance full right 81 Digital BER Display On/Off 87 Local keys test 88 Clear digital tuning database 91 Set 14:9 mode 92 Set Smart mode 93 Set 16:9 mode 94 Set ZOOM mode 95 Set 4:3 mode 96 TS path switch (tuner/Cl slot)		
77 Reset Deflection offsets 78 Balance full left 79 Balance full right 81 Digital BER Display On/Off 87 Local keys test 88 Clear digital tuning database 91 Set 14:9 mode 92 Set Smart mode 93 Set 16:9 mode 94 Set ZOOM mode 95 Set 4:3 mode 96 TS path switch (tuner/Cl slot)		
78 Balance full left 79 Balance full right 81 Digital BER Display On/Off 87 Local keys test 88 Clear digital tuning database 91 Set 14:9 mode 92 Set Smart mode 93 Set 16:9 mode 94 Set ZOOM mode 95 Set 4:3 mode 96 TS path switch (tuner/Cl slot)	76	LC Pin/Trap Deflection offset adjust
79 Balance full right 81 Digital BER Display On/Off 87 Local keys test 88 Clear digital tuning database 91 Set 14:9 mode 92 Set Smart mode 93 Set 16:9 mode 94 Set ZOOM mode 95 Set 4:3 mode 96 TS path switch (tuner/Cl slot)	77	Reset Deflection offsets
81 Digital BER Display On/Off 87 Local keys test 88 Clear digital tuning database 91 Set 14:9 mode 92 Set Smart mode 93 Set 16:9 mode 94 Set ZOOM mode 95 Set 4:3 mode 96 TS path switch (tuner/Cl slot)	78	Balance full left
87 Local keys test 88 Clear digital tuning database 91 Set 14:9 mode 92 Set Smart mode 93 Set 16:9 mode 94 Set ZOOM mode 95 Set 4:3 mode 96 TS path switch (tuner/Cl slot)	79 %	Balance full right
88 Clear digital tuning database 91 Set 14:9 mode 92 Set Smart mode 93 Set 16:9 mode 94 Set ZOOM mode 95 Set 4:3 mode 96 TS path switch (tuner/Cl slot)	81	Digital BER Display On/Off
91 Set 14:9 mode 92 Set Smart mode 93 Set 16:9 mode 94 Set ZOOM mode 95 Set 4:3 mode 96 TS path switch (tuner/Cl slot)	87	Local keys test
91 Set 14:9 mode 92 Set Smart mode 93 Set 16:9 mode 94 Set ZOOM mode 95 Set 4:3 mode 96 TS path switch (tuner/Cl slot)	88	Clear digital tuning database
93 Set 16:9 mode 94 Set ZOOM mode 95 Set 4:3 mode 96 TS path switch (tuner/Cl slot)	91	
94 Set ZOOM mode 95 Set 4:3 mode 96 TS path switch (tuner/Cl slot)	92	Set Smart mode
94 Set ZOOM mode 95 Set 4:3 mode 96 TS path switch (tuner/Cl slot)	93	Set 16:9 mode
96 TS path switch (tuner/Cl slot)	94	Set ZOOM mode
	95	Set 4:3 mode
99 Display Error and Working Time menu	96	TS path switch (tuner/Cl slot)
	99	
		<u> </u>

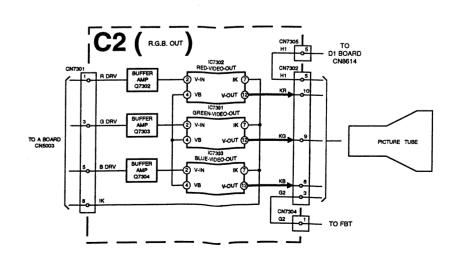
- 32

- 33 -

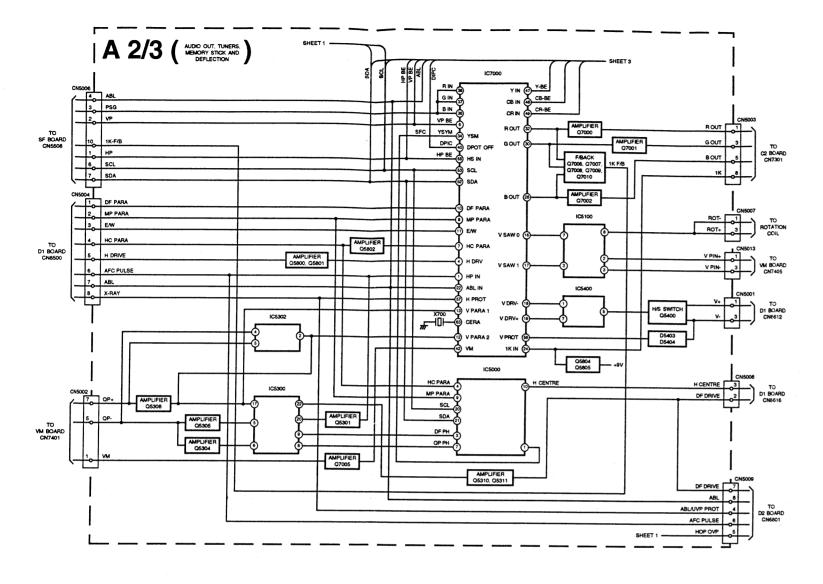
5-1. BLOCK DIAGRAMS (1)

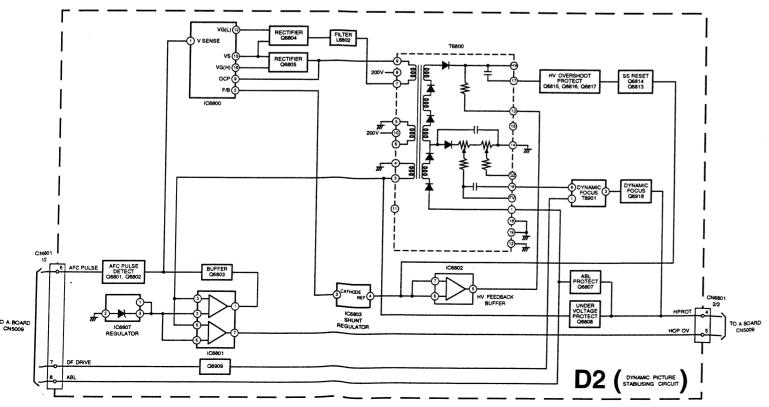


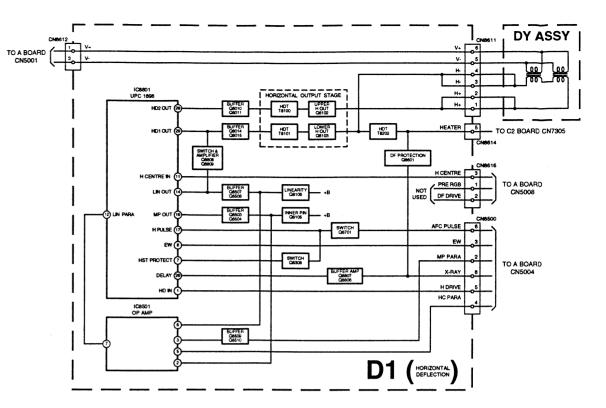


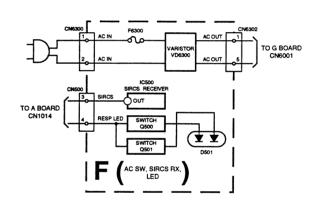


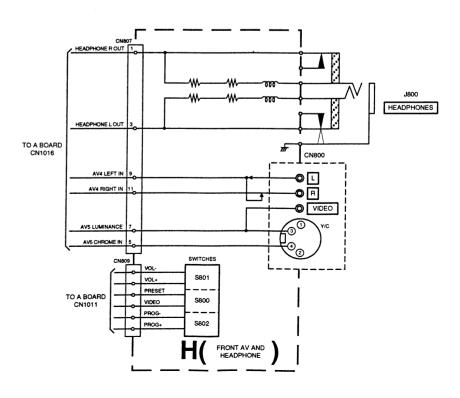
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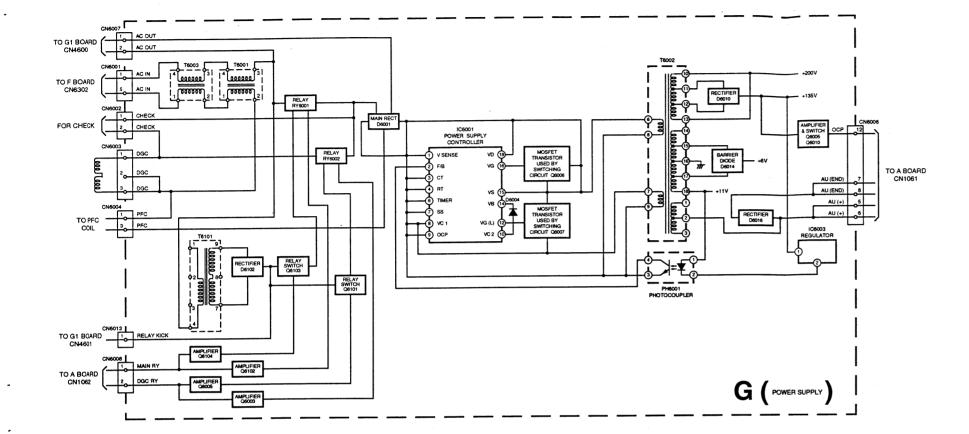


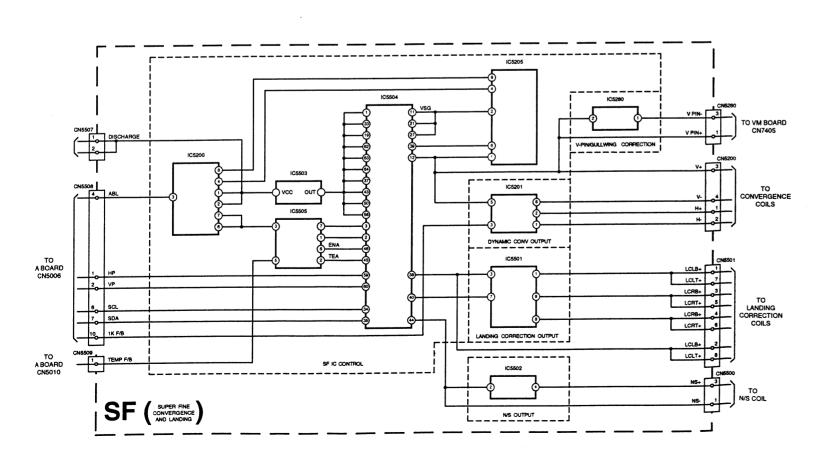


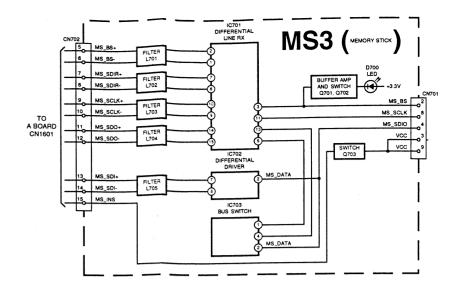


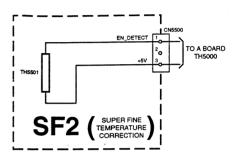


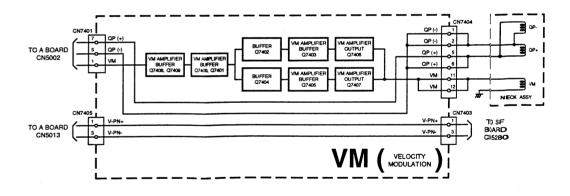
5-1. BLOCK DIAGRAMS (3)

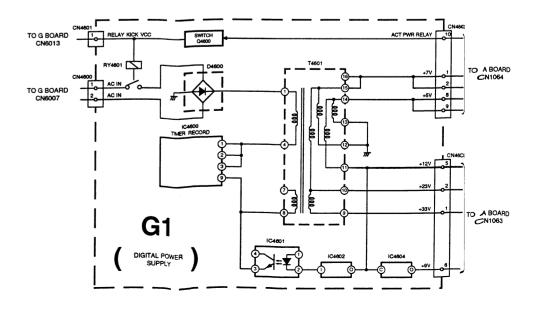




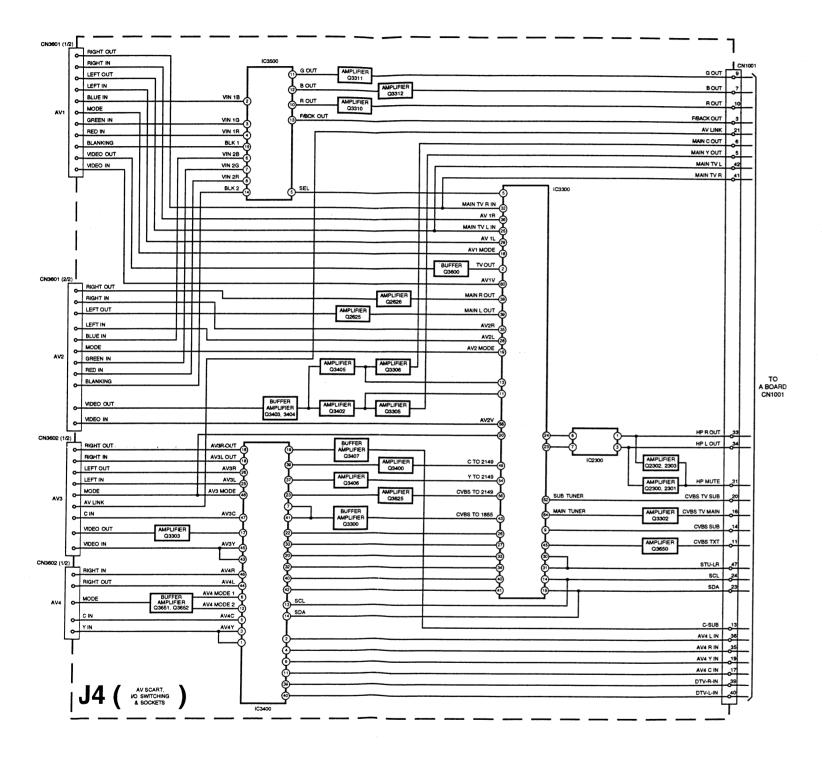




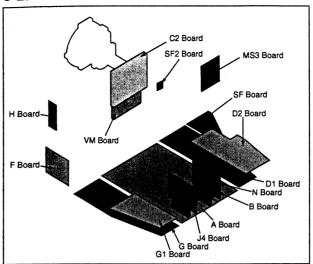




5-1. BLOCK DIAGRAMS (4)



5-2. CIRCUIT BOARD LOCATION



5-3. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

Note:

- All capacitors are in µF unless otherwise noted.
- pF: μμF 50WV or less are not indicated except for electrolytic types.
- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch : 5mm Electrical power rating : 1/4W

- Chip resistors are 1/10W
- All resistors are in ohms. k = 1000 ohms, M = 1000,000 ohms

: nonflammable resistor.

• tusible resistor.

• 🛆 : internal component.

: panel designation or adjustment for repair.

- . . .
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- All voltages are in Volts.
- Readings are taken with a 10Mohm digital mutimeter.
- Readings are taken with a color bar input signal.
- Voltage variations may be noted due to normal production tolerences.

: B + bus.

• = = : B - bus.

- 37 -

• : RF signal path.

: earth - ground.

: earth - chassis.

Reference Information

RESISTOR	RN	: METAL FILM
	RC	: SOLID
	FPRD	: NON FLAMMABLE CARBON
	FUSE	: NON FLAMMABLE FUSIBLE
	RS	: NON FLAMMABLE METAL OXIDE
	RB	: NON FLAMMABLE CEMENT
	RW	: NON FLAMMABLE WIREWOUND
	*	: ADJUSTMENT RESISTOR
COIL	LF-8L	: MICRO INDUCTOR
CAPACITOR	TA	: TANTALUM
	PS	: STYROL
	PP	: POLYPROPYLENE
	PT	: MYLAR
	MPS	: METALIZED POLYESTER
	MPP	: METALIZED POLYPROPYLENE
	ALB	: BIPOLAR
	ALT	: HIGH TEMPERATURE
	ALR	: HIGH RIPPLE

Note: The components identified by shading and marked ∆ are critical for safety. Replace only with the part numbers specified in the parts list.

Note: Les composants identifiés par une trame et par une marque ∆ sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié. specified.

~ A Board Location Table (A Side) ~

DIC	ODE	D4100	B - 1	D6201	J - 2	D7015	K - 6	IC2000	F-6	IC5302	M - 9	IC6216	K - 2	Q2406	A - 3	Q5800	I - 10
D400	K - 1	D5303	L-9	D6202	N - 2	D8001	C-3	IC2003	F - 4	IC5400	D - 10	IC6225	L - 4	Q2408	B - 3	Q5804	L-8
D1607	H-4	D5304	L-9	D6203	M - 3		C	IC2200	G - 3	IC6203	M - 3	IC6229	K - 5	Q5304	K - 9	Q5805	L - 8
D2000	G - 6	D5305	L-9	D6206	J - 5	IC300	M - 5	IC2300	1-3	IC6205	M - 2	IC7000	J - 6	Q5305	K - 9	Q7000	K - 7
D2002	H - 4	D5400	E - 10	D6215	N - 2	IC400	J - 2	IC5000	K - 8	IC6211	J - 5	IC8001	D - 3	Q5308	M - 10	Q7001	K - 7
D2004	H - 5	D5401	D - 10	D7000	L - 6	IC1600	1 - 5	IC5001	N - 6	IC6212	J - 4	TRAN	SISTOR	Q5310	I - 10	Q7002	K - 7
D2400	B - 3	D5402	E - 10	D7002	L - 7	IC1601	H - 6	IC5100	L - 8	IC6213	J-3	Q300	L - 5	Q5311	I - 10	Q7003	L - 7
D2403	B - 3	D6200	J - 3	D7010	L-6	IC1602	H - 6	IC5300	J - 10	IC6215	M - 4	Q400	K - 2	Q5400	F - 10	Q7004	L-7

~ A Board Location Table (B Side) ~

D	ODE	D2003	H - 5	D2400	M - 3	D5401	K - 10	D6203	A - 3	IC5302	B-9	IC6216	C-2	Q1006	G-8	Q2003	1-5	Q5304	C-9
D303	B - 5	D2004	G - 5	D2403	M - 3	D5402	I - 10	D6204	B - 2	IC5400	K - 10	IC6225	C-3	Q1100	H - 3	Q2301	F-2	Q5305	D - 9
D1001	M - 9	D2200	G-2	D4100	M - 2	D5403	H - 10	D6206	E - 5	IC5600	G - 10	IC6229	C-5	Q1101	H-3	Q2302	G - 2	Q5309	B-9
D1002	M - 10	D2201	F - 2	D5303	C-9	D5404	H - 9		IC	IC6203	B-2	TRAN	SISTOR	Q1102	1-3	Q2303	G-2	Q5400	I - 10
D1003	M - 10	D2300	G-2	D5304	C-9	D5800	C-8	IC2001	H - 4	IC6205	B - 2	Q1000	G-8	Q1103	J-3	Q2400	E-4	Q5801	E-8
D1004	M - 10	D2301	G - 2	D5305	C-9	D5801	B - 8	IC2200	G - 3	IC6211	D - 5	Q1001	B - 1	Q1104	L-3	Q2401	E - 5	Q7005	E-7
D1008	C - 2	D2302	G - 2	D5307	A - 10	D6200	E - 3	IC2300	F-3	IC6212	E - 4	Q1002	B - 1	Q1200	H-2	Q2402	F-5		
D1100	L-3	D2303	F-3	D5308	A - 10	D6201	E-2	IC5100	B - 7	IC6213	E-2	Q1004	C-2	Q1301	M - 3	Q2407	M - 3		
D2001	н. 6	D2304	F.2	D5400	J - 10	D6202	A - 2	IC5300	E - 10	IC6215	B-3	Q1005	B - 1	Q2002	1-5	Q5301	E-9		

~ A Board Semiconductor Voltages ~

Ref	(e)	(b)	(c)	Ref	(e)	(b)	(c)
Q1100	1.3	2.0	4.3	Q2004	4.9	5.5	8.8
Q1101	4.9	4.3	2.1	Q5801	3.5	2.8	0
Q1104	0	0.4	4.2	Q5804	3.5	4.2	0
Q2002	1.2	1.8	4.9	Q5801	3.5	2.2	8.9
Q2003	1.8	2.4	4.9	Q7002	3.6	3.0	0

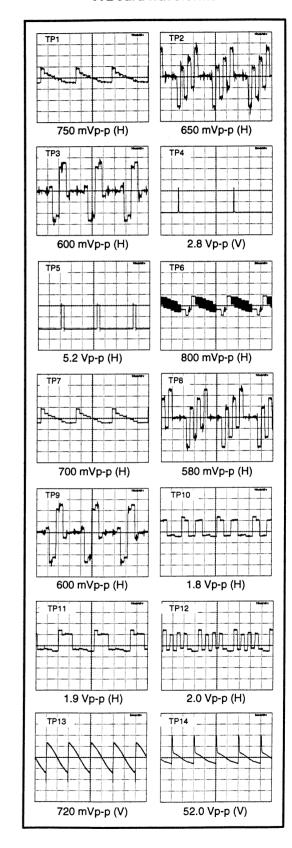
~ A Board IC Voltages ~

Ref No	Pin No	Volts (V)	Ref No	Pin No	Volts (V)	Ref No	Pin No	Volts (V)		727		Ref No	Pin No	Volts (V)	Reif No	Pin No	Volts (V)	ı İ	-		Ref No	Pin N₀	Volts (V)												
	1	0		11	0.3		6	-13.3	40.21.4	1	1.9		11	2.2		21	4.8		7	0		17	2.6		27	0.9		39	2.1		49	5.2		59	1.5
	2	15.2		12	0		7	0		2	1.1		12	2.4		22	4.9		8	3.6		18	1.1		28	0.3		40	2.8		50	3.4		60	1.5
	3	0	IC2200	13	0		8	-15.3		3	3.6		13	4.9	IC5000	23	0		9	3.6		19	4.9		29	5.0		41	0		51	4.1	1	61	8.9
	4	-15.3		14	0	t .	9	0		4	2.3		14	0		24	0		10	3.6		20	3.5		30	5.7		42	0		52	3.4	IC7000	62	2.9
	5	0		15	15.2		10	4.2		5	4.2		15	4.9	- 4	1	0		11	0		21	3.4		31	1.3		43	3.3		53	3.4		63	2.9
IC2200	6	0.3		1	0	IC2300	11	15.2	IC5000	6	4.2	IC5000	16	4.9		2	0	IC7000	12	0.9	IC7000	22	3.4	IC7000	32	3.1	IC70 00	44	0	IC7000	54	0.6		64	2.7
	7	0		2	-4.3	1	12	-4.3		7	2.4		17	4.9		3	0		13	0		23	5.0		34	0		45	4.2		55	8.9			
	8	0	IC2300	3	10.0		13	15.2		8	2.6		18	0	IC7000	4	3.1		14	2.4		24	0		35	0.9		46	3.5		56	4.3]		
	-	10		4	0		14	-15.3		9	2.6		19	0		5	3.1		15	4.9		25	4.8		37	0		47	3.8		57	4.9	1		
	10	0		5	0		15	-15.3		10	1.5		20	4.8		6	3.1		16	2.6		26	4.8		38	2.3		48	4.4		58	3.7			

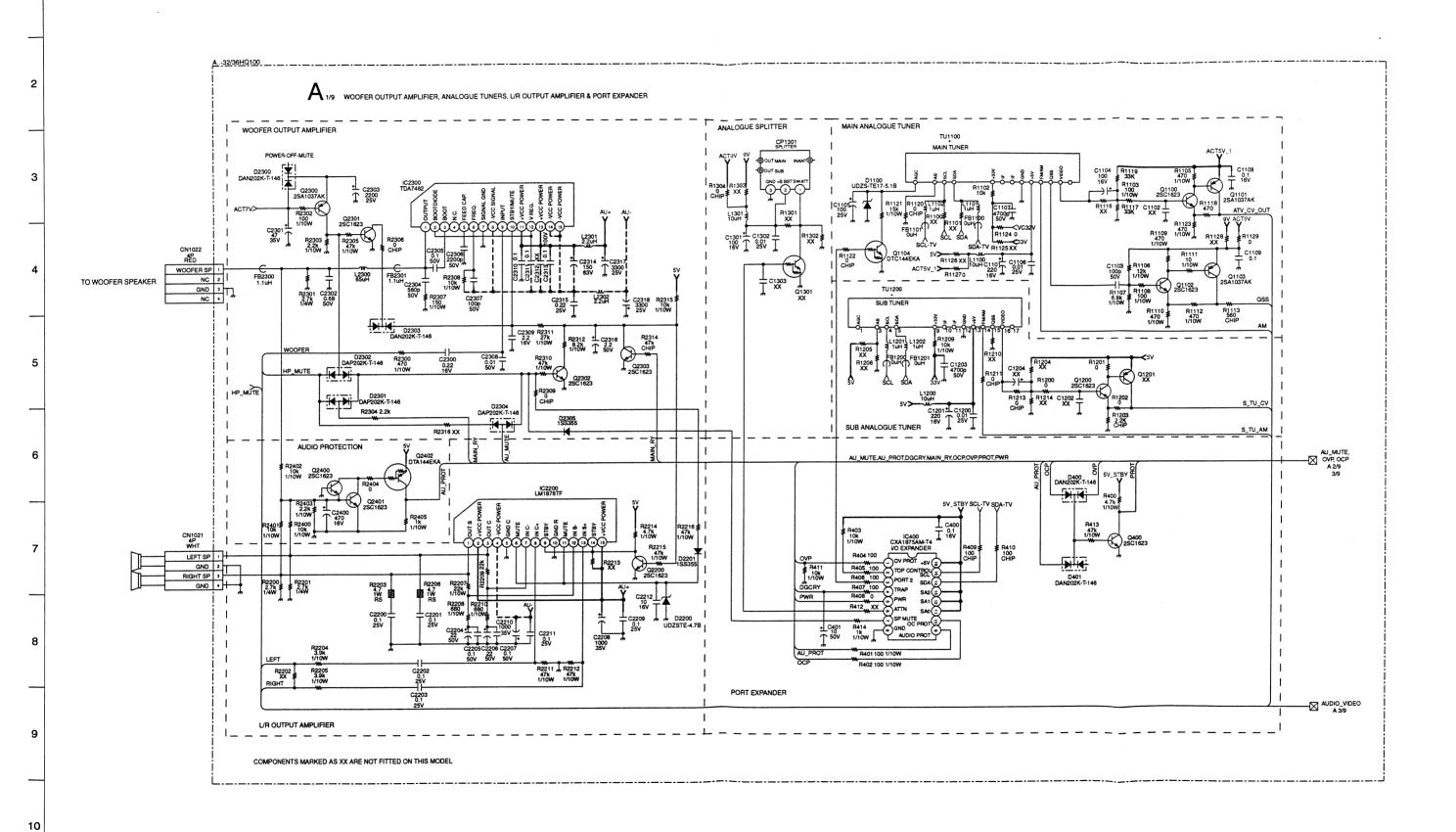
~ A Board Difference Table ~

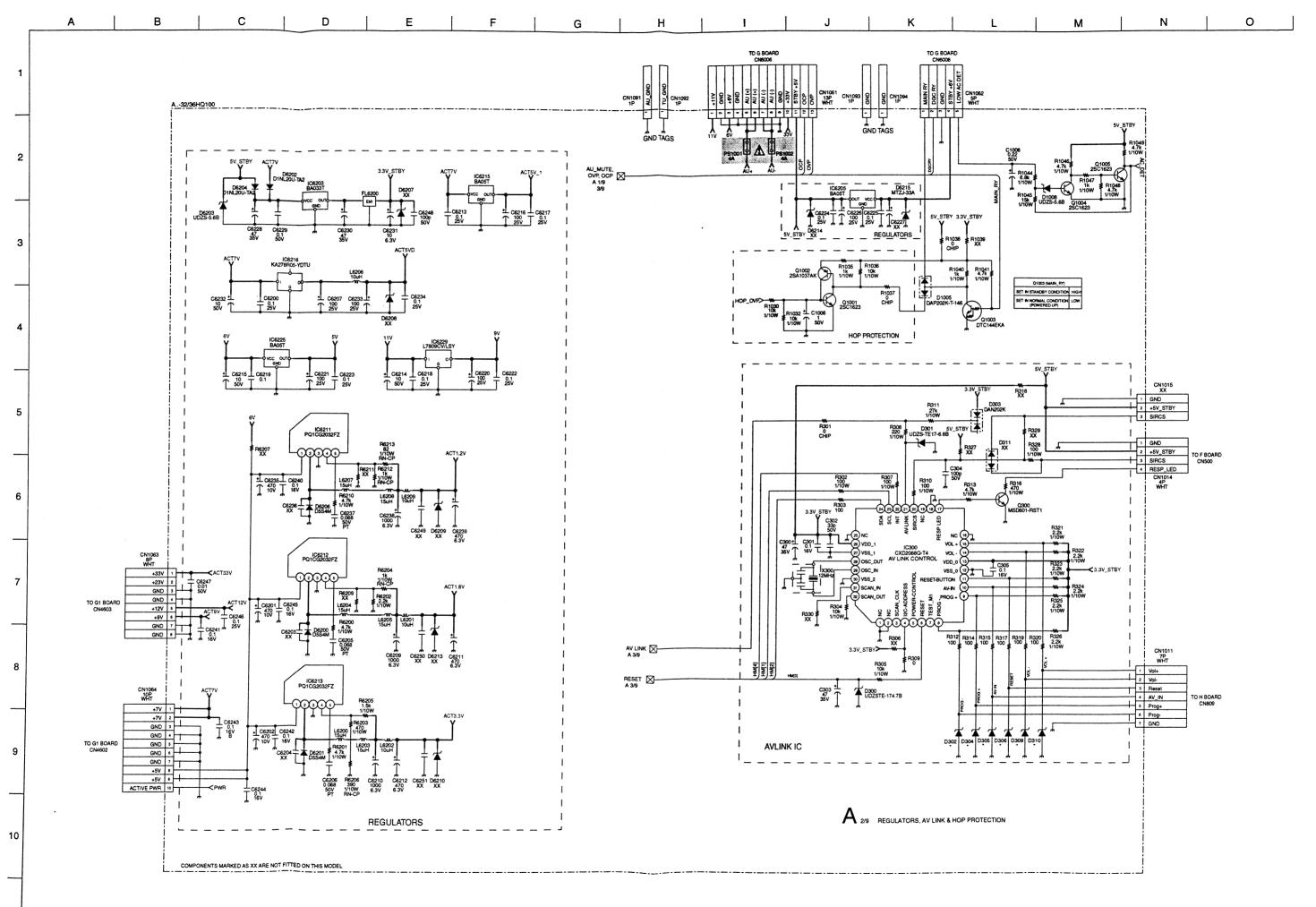
Ref	KV-32HQ100B	KV-32HQ100E	KV-32HQ100K	KV-36HQ100B	KV-36HQ100E	KV-36HQ100K	Ref	KV-32HQ100B	KV-32HQ100E	KV-32HQ100K	KV-36HQ100B	KV-36HQ100E	KV-36HQ100K
C1009	•	•	•	47PF	47PFV	47PF	R5009	-	-	-	220K	220K	220K
C1010	•	•	•	47PF	47PF	47PF	R5012	-	•		100	100	100
C1011	•	•	•	47UF	47UF	47UF	R5014	•			100	100	100
C1013	•	•	-	0.1UF	0.1UF	0.1UF	R5015	33K	33K	33K	100K	100K	100K
C5320	0.0047UF	0.0047UF	0.0047UF	0.01UF	0.01UF	0.01UF	R5310	47K	47K	47K	68K	68K	68K
C5322	-	•	•	0.022UF	0.022UF	0.022UF	R5311	10K	10K	10K	15K	15K	15K
C7030	٠	•	•	0.1UF	0.1UF	0.1UF	R5350	6.2K	6.2K	6.2K	6.8K	6.8K	6.8K
CN1017	-	-	•	PLUG, CONNECTOR 4P	PLUG, CONNECTOR 4P	PLUG, CONNECTOR 4P	R5371	0	0	0	-	-	-
CN1018	•	•	-	PLUG, CONNECTOR 4P	PLUG, CONNECTOR 4P	PLUG, CONNECTOR 4P	R5372	0	0	0	-	•	•
CN1019	•	-	-	CONNECTOR USB(A)	CONNECTOR USB(A)	CONNECTOR USB(A)	R5411	4.7K	4.7K	4.7K	2.7K	2.7K	2.7K
CN5010	-	-	-	PLUG, CONNECTOR 3P	PLUG, CONNECTOR 3P	PLUG, CONNECTOR 3P	R5413	10K	10K	10K	8.2K	8.2K	8.2K
D1009	•	-	-	DAN202K	DAN202K	DAN202K	R5414	100K	100K	100K	68K	68K	68K
D1010	-	•	-	DAP202K	DAP202K	DAP202K	R5415	47K	47K	47K	27K	27K	27K
D1011	-	-	-	UDZSTE-175.6B	UDZSTE-175.6B	UDZSTE-175.6B	R5821	5.6K	5.6K	5.6K	10K	10K	10K
D7012	•	-	•	1SS355TE-17	1SS355TE-17	1SS355TE-17	F17043	-	•	-	2.2K	2.2K	2.2K
L5300	10MH	10MH	10MH	6.8 M H	6.8MH	6.8MH	F17044	-	•	•	2.2K	2.2K	2.2K
L5301	10MH	10MH	10MH	4.7MH	4.7MH	4.7MH	R7045	-	•	•	2.2K	2.2K	2.2K
L5302	•	•	-	3.3MH	3.3MH	3.3MH	R7046	-	•	•	10K	10K	10K
Q7006	-	•	-	MSB709-RT1	MSB709-RT1	MSB709-RT1	R7047	•	•	•	10K	10K	10K
Q7007	•	•	•	MSB709-RT1	MSB709-RT1	MSB709-RT1	R7048	•	•	•	10K	10K	10K
Q7008	-	-	-	MSB709-RT1	MSB709-RT1	MSB709-RT1	R7049	-	•	-	10K	10K	10K
Q7009	•	-	-	MSD601-RST1	MSD601-RST1	MSD601-RST1	R7050	-	•	-	4.7K	4.7K	4.7K
Q7010	-	•	•	MSD601-RST1	MSD601-RST1	MSD601-RST1	F17052	-	-	-	4.7K	4.7K	4.7K
R1050	-	•	-	15K	15K	15K	R7053	•	•	•	2.2K	2.2K	2.2K
R1051	-	•	•	15K	15K	15K	R7054	-	•	•	2.2K	2.2K	2.2K
R1052	-	-	-	33	33	33	R7055	-	-	•	2.2K	2.2K	2.2K
R1053	-	•	•	33	33	33	R7058	-	•	•	2.2K	2.2K	2.2K
R1054	0	0	0	•	•	•	R7059	•	•	•	1K	1K	1K
R1056	-	•	-	0	0	0	R7062	•	•	•	10K	10K	10K
R5000	47K	47K	47K	68K	68K	68K	R7063	-	•	•	470	470	470
R5001	47K	47K	47K	68K	68K	68K	R7065	-	-	•	100K	100K	100K
R5003	47K	47K	47K	22K	22K	22K	TH5000	•	•	. •	THERMISTOR	THERMISTOR	THERMISTOR
R5004	10K	10K	10K	8.2K	8.2K	8.2K	TU1100	BTF-EF412	BTF-EC412	BTF-EC412	BTF-EF412	BTF-EC412	BTF-EC412
R5005	22K	22K	22K	15K	15K	15K	TU1200	BTF-EF412	BTF-EC412	BTF-EC412	BTF-EF412	BTF-EC412	BTF-EC412
R5007	-	-	-	560K	560K	560K							

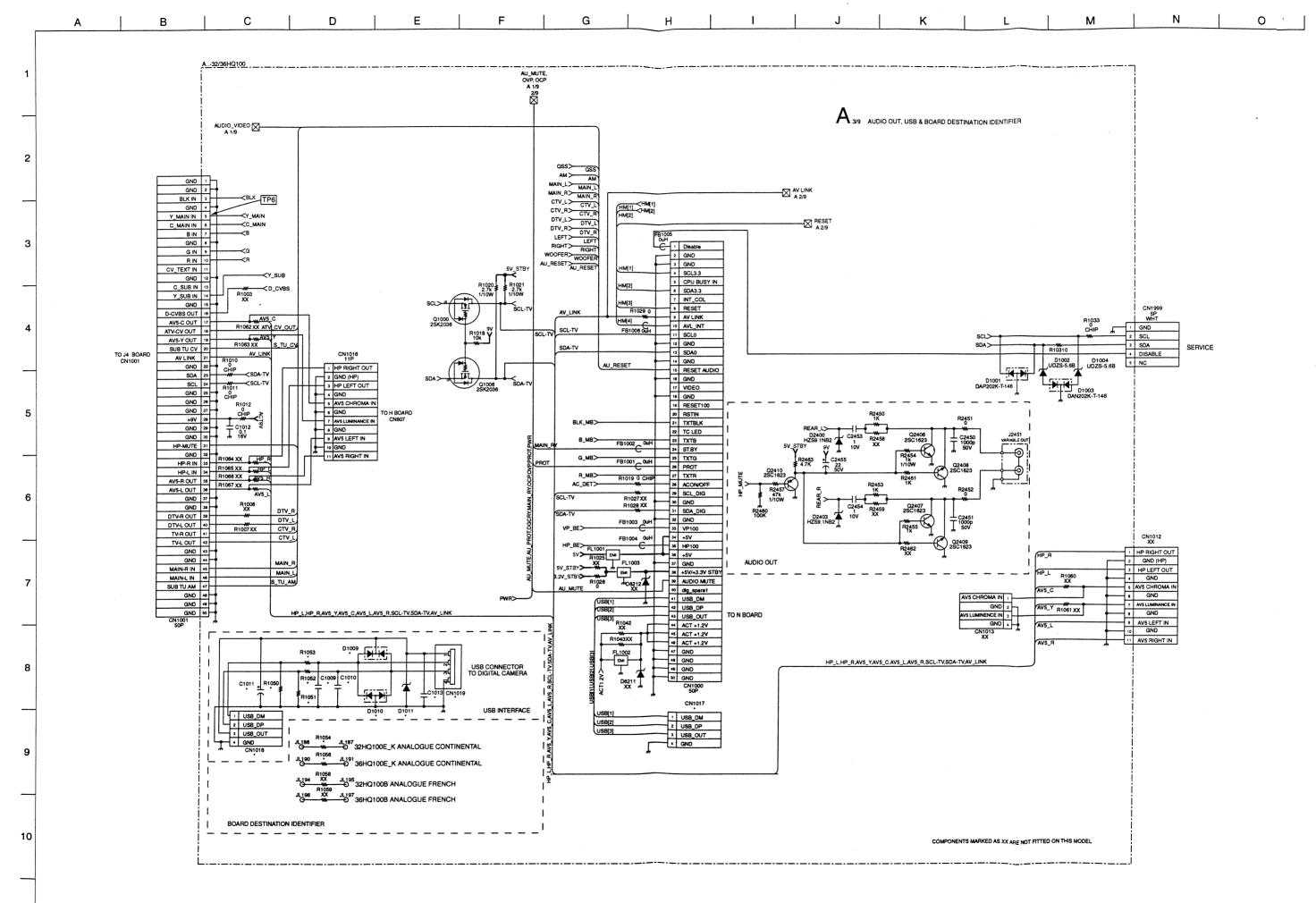
~ A Board Waveforms ~



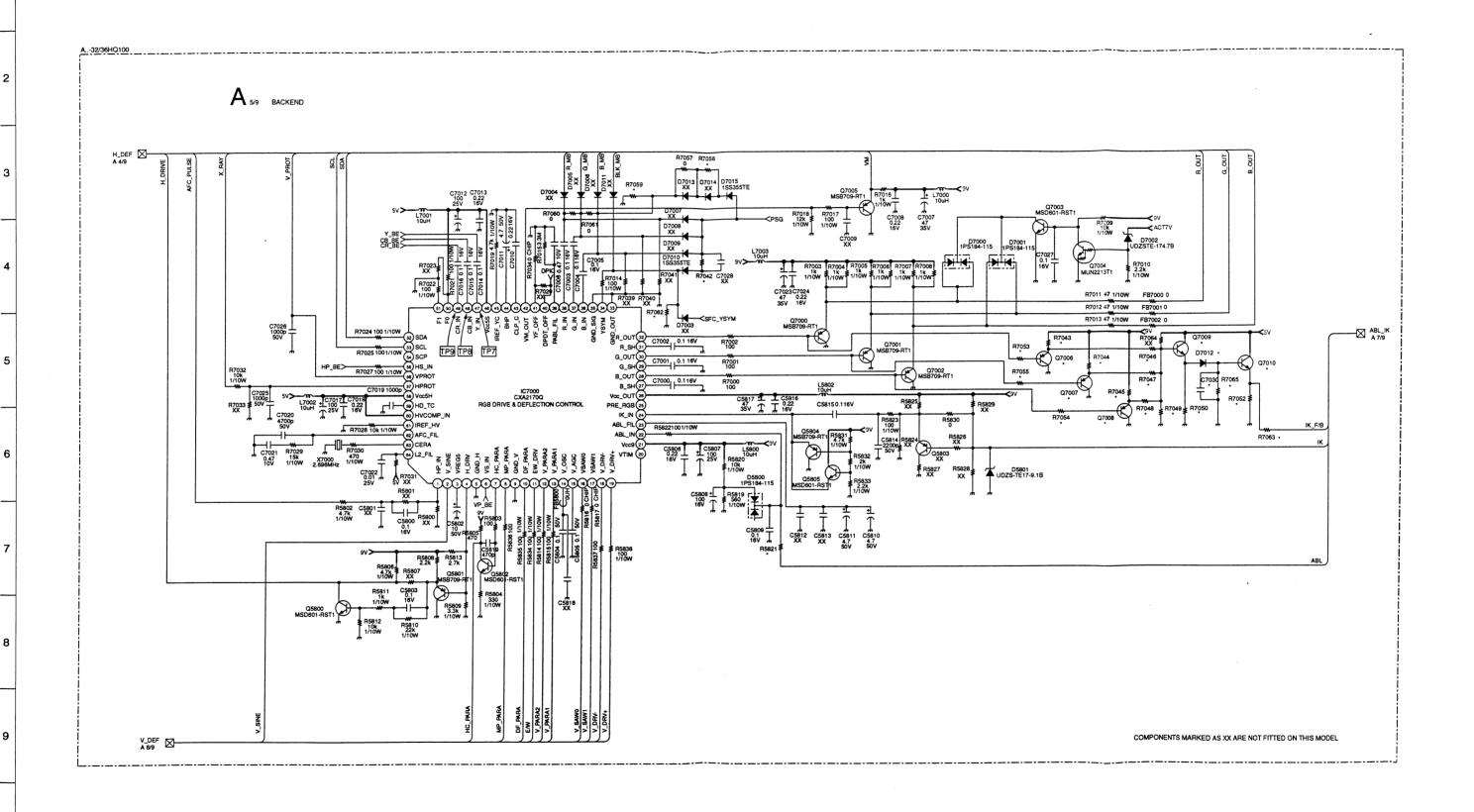
A B C D E F G H I J K L M N O

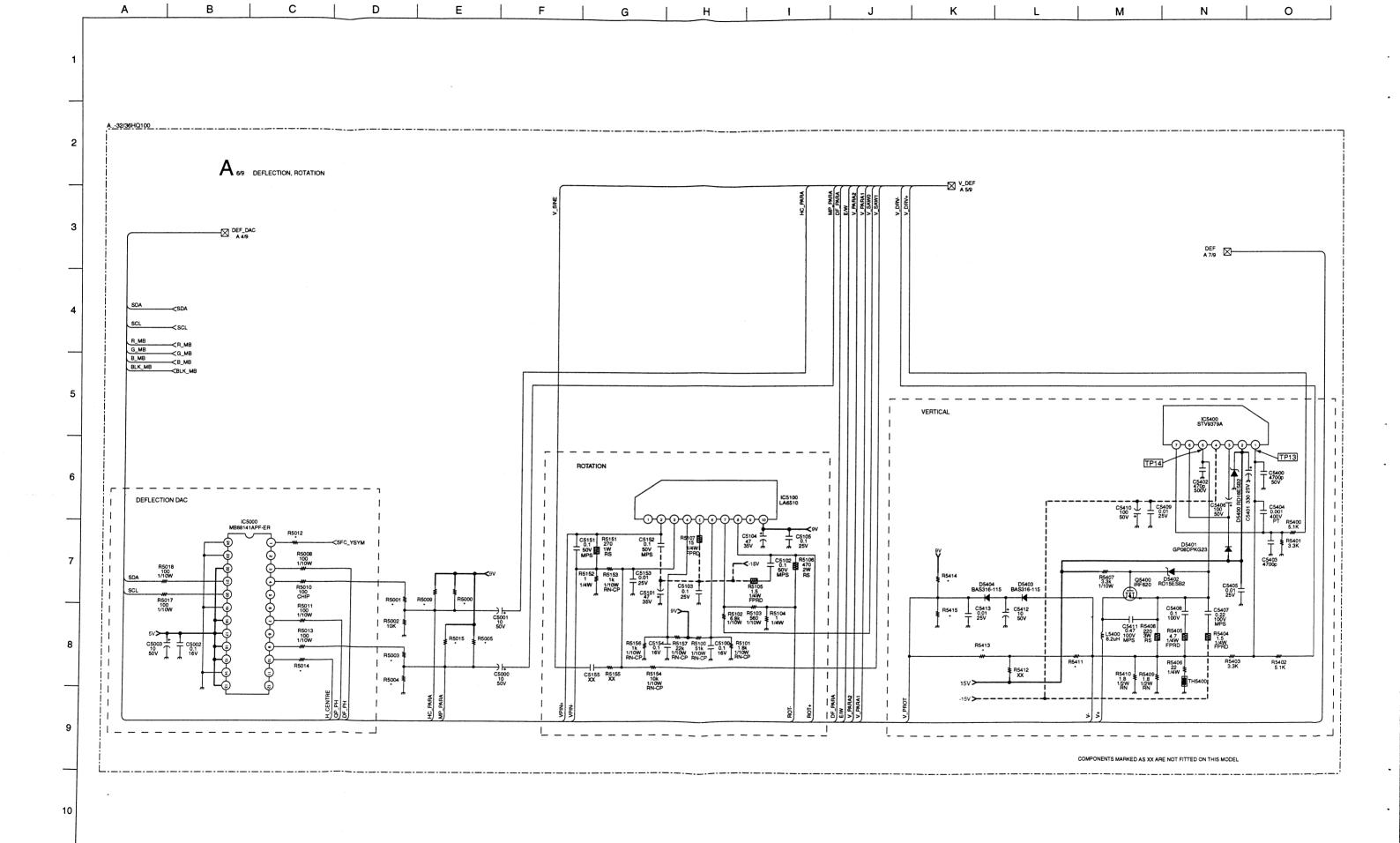


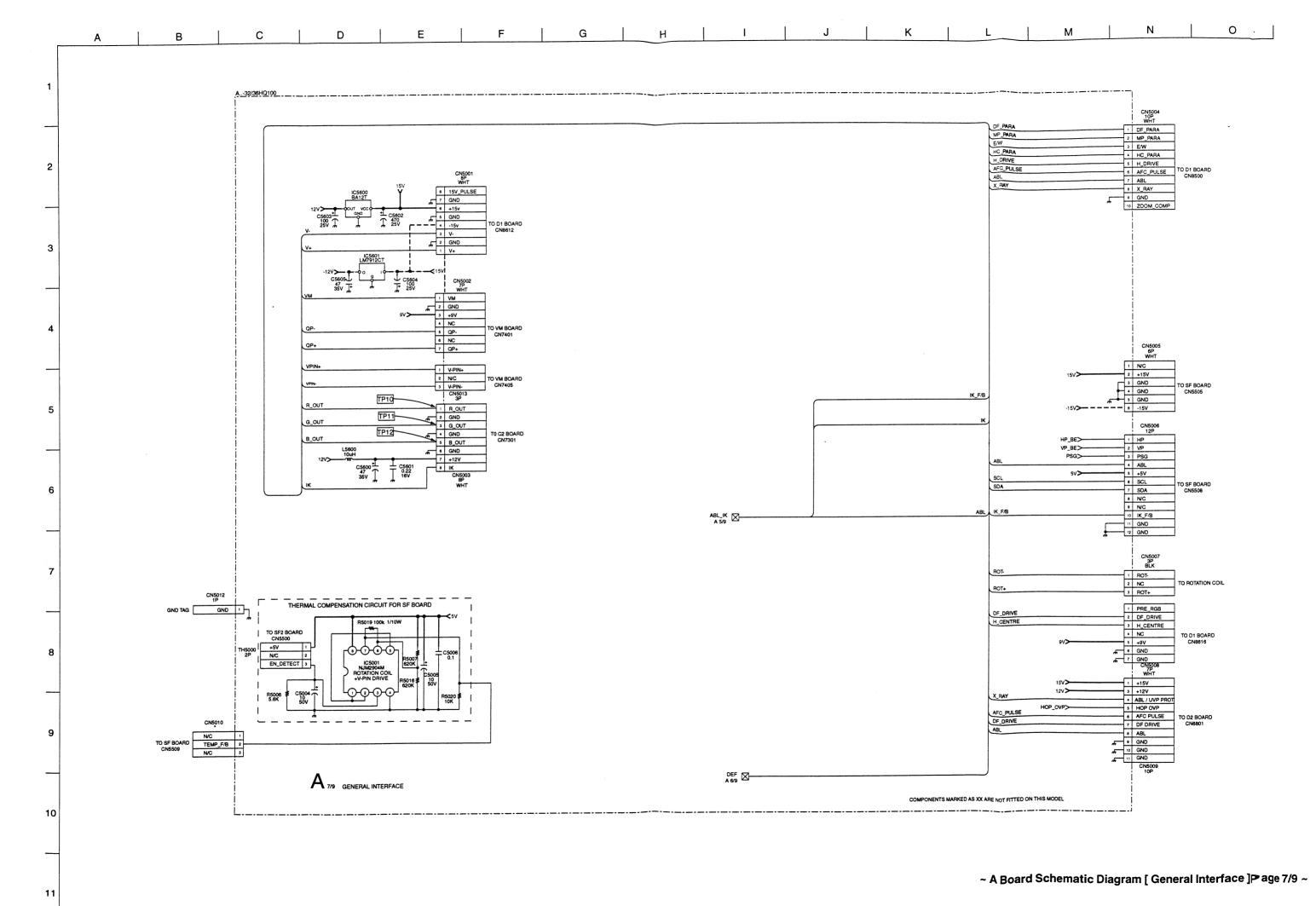




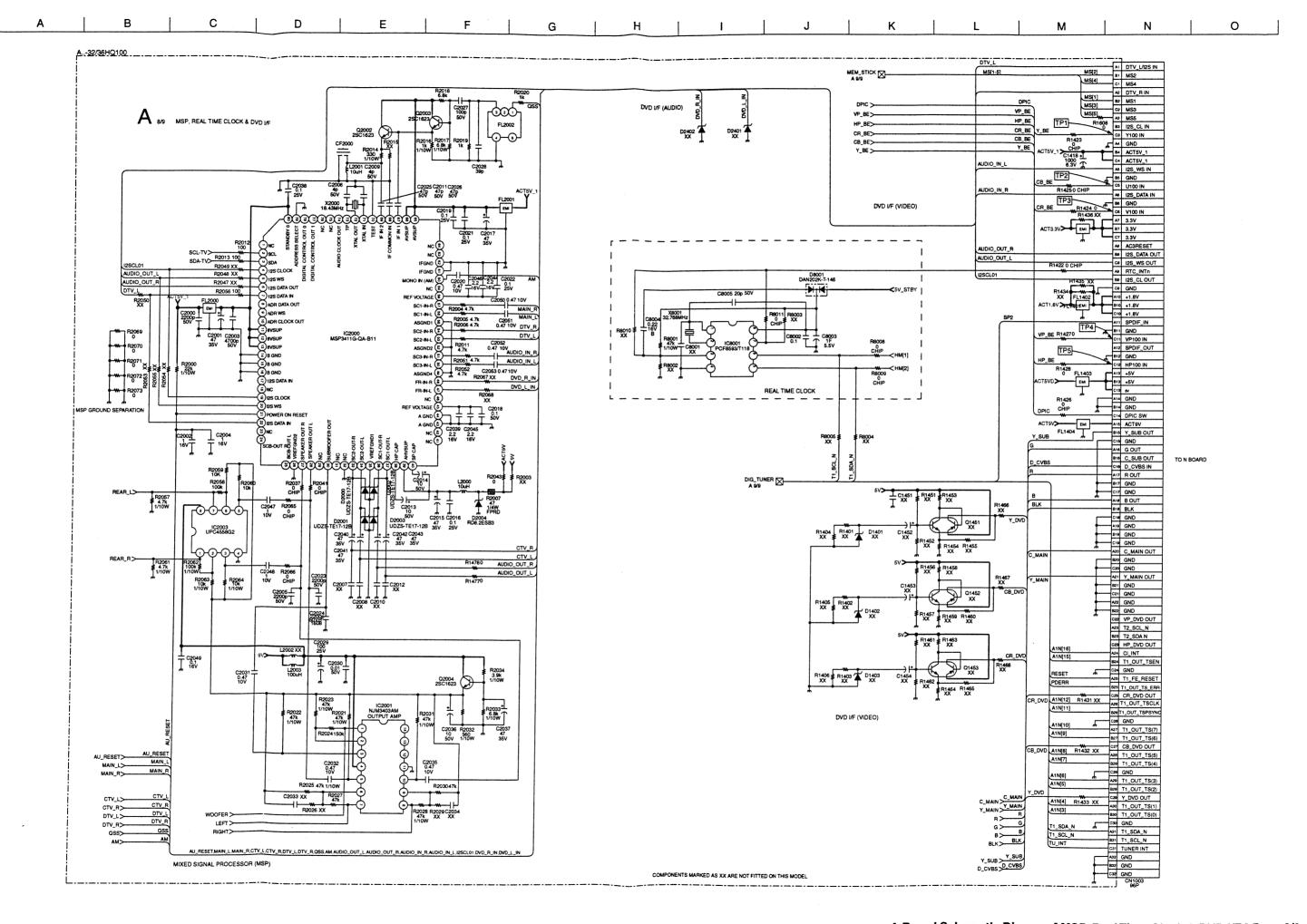
11



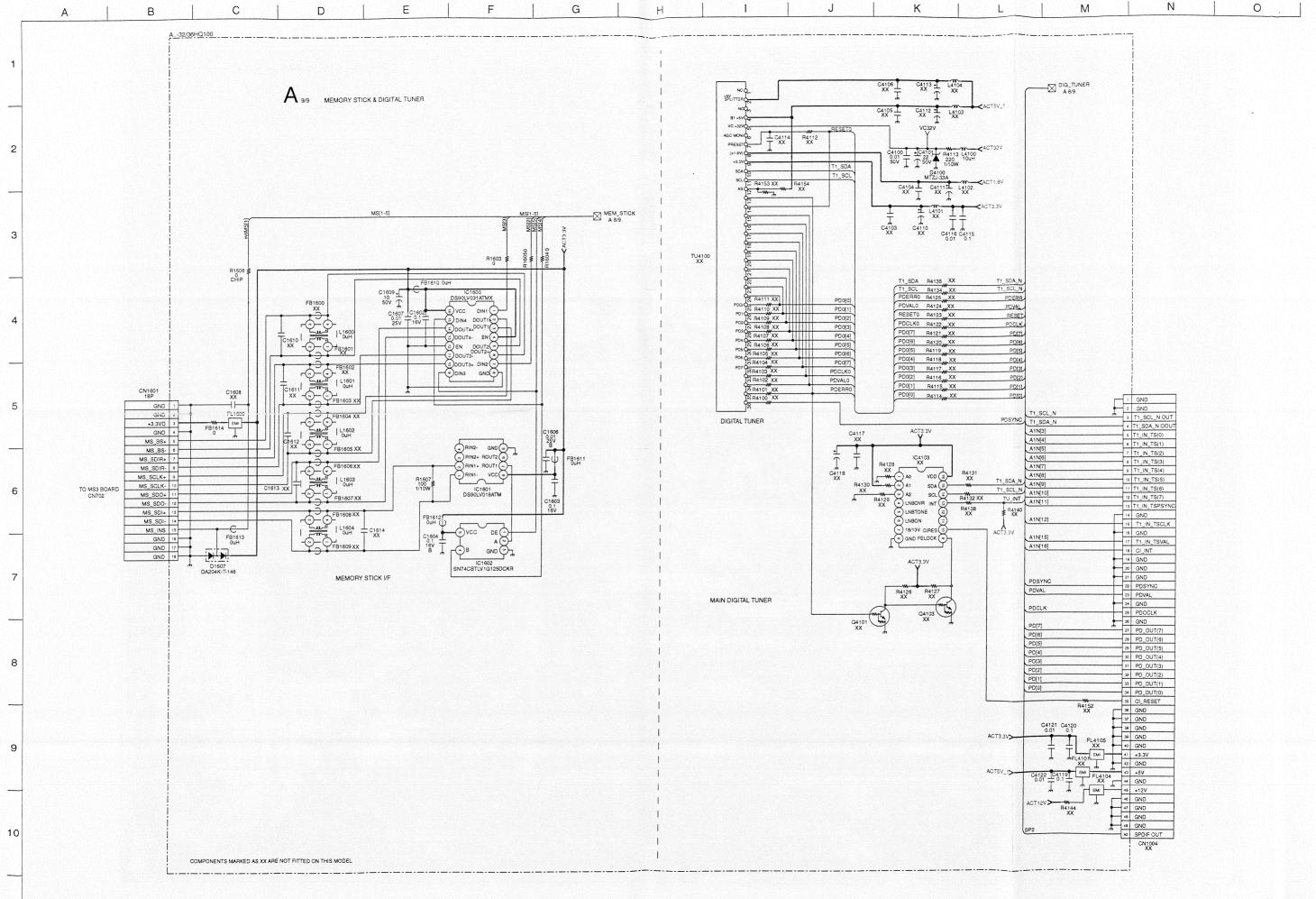




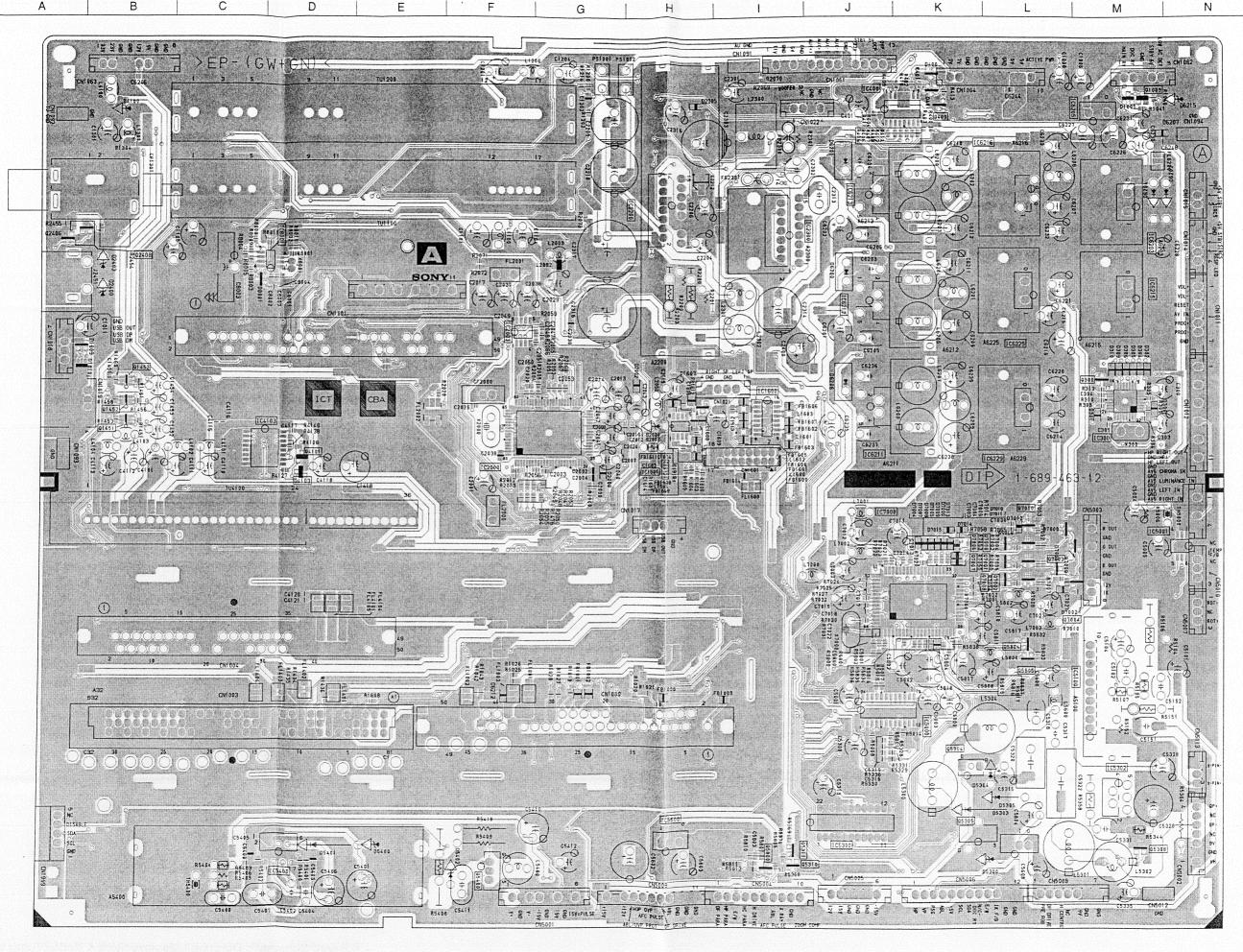
- 46 -



10



11

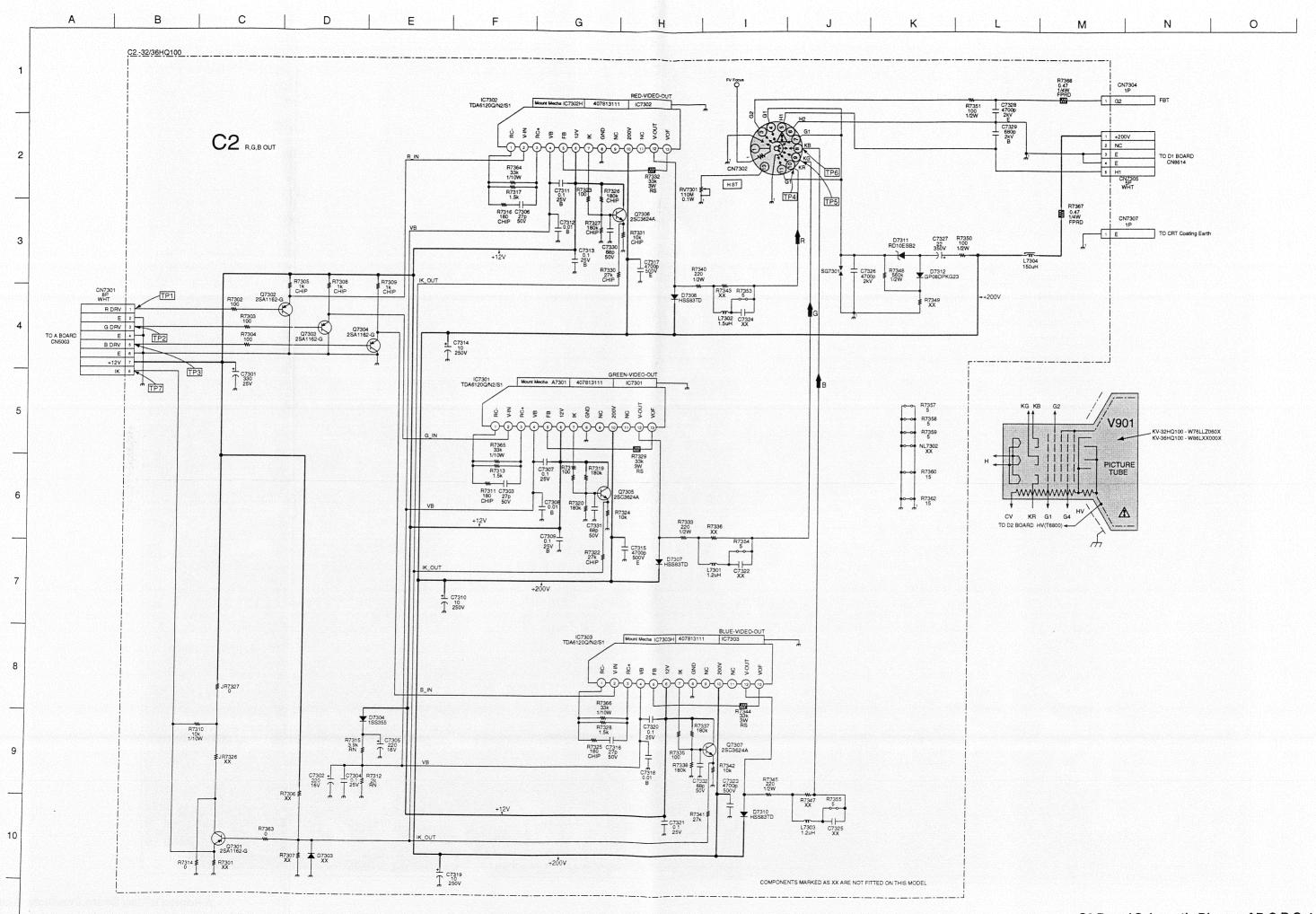


D С В 물을 무 V 2 등 물을 될 수 있다. 사 등을 물을 받는 것으로 말했다. 31,840 되었다. R1301 T T CN1014 1-689-453/1 4 S S S S 목목 모 工工 (S2)

M

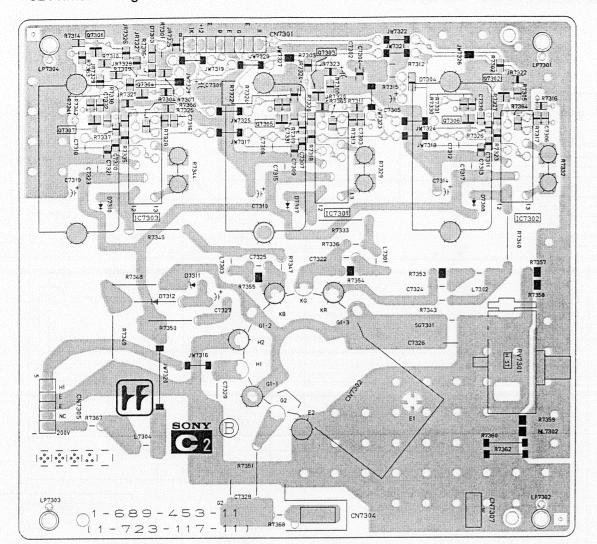
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0

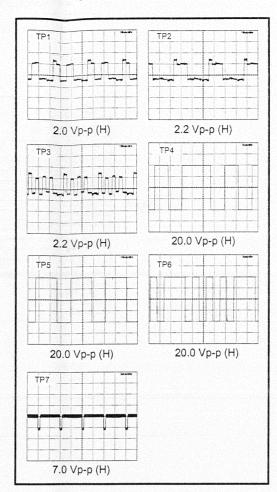


A B C D E F G H I J K L M N O

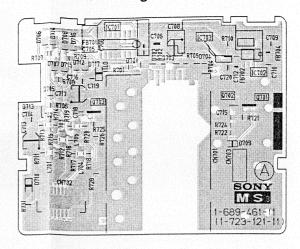
~ C2 Printed Wiring Board Conductor Side ~



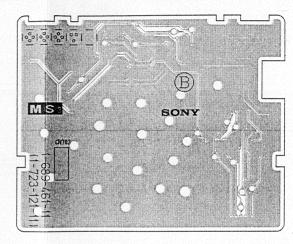
~ C2 Board Waveforms ~



~ MS3 Printed Wiring Board Conductor Side A ~



~ MS3 Printed Wiring Board Conductor Side B ~



~ C2 Board Semiconductor Voltage Table ~

6

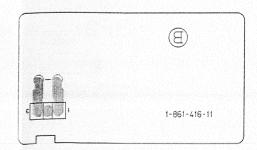
10

Ref	(e)	(b)	(c)
Q7301	5.5	7.1	0
Q7306	10.3	11.3	12.0
Q7302	3.6	2.8	0
Q7303	3.6	2.9	0
Q7304	3.7	2.9	0
Q7307	10.4	11.4	12.0
Q7305	94	10.5	12.0

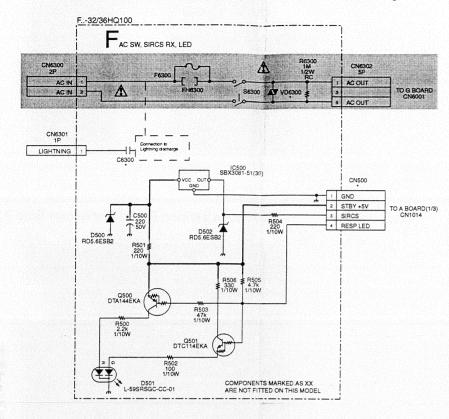
~ C2 Board IC Voltage Table ~

Ref No	Pin No	Volts (V)	Ref No	Pin No	Voits (V)	Ref No	Pin No	Volts (V)
	1	2.7		1	2.7		1	2.7
	2	3.6		2	3.6		2	3.8
	3	2.9		3	3.0		3	2.9
	4	3.7		4	3.7		4	3.7
	5	2.0		5	2.1	IC7303	5	2.0
IC7302	6	12.0	IC7301	6	11.9		6	12.0
	7	11.4		7	10.7		7	11.5
	8	0		8	0		8	0
	10	211.6		10	211.5		10	211.6
	12	153.1		12	151.0		12	143.0
	13	145.0		13	142.6		13	136.4

~ SF2 Printed Wiring Board Conductor Side ~

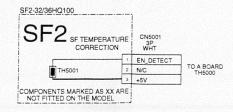


~ F Board Schematic Diagram [AC SW, SIRCS RX, LED] ~

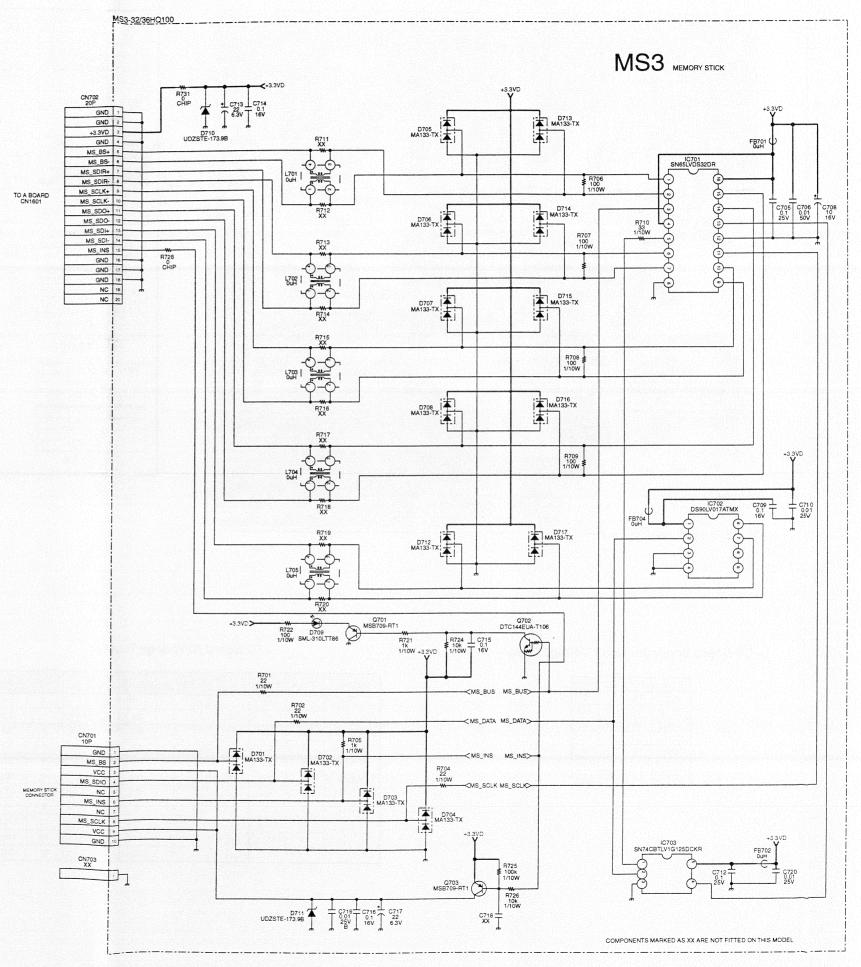


~ SF2 Board Schematic Diagram [SFTemperature Correction] ~

10

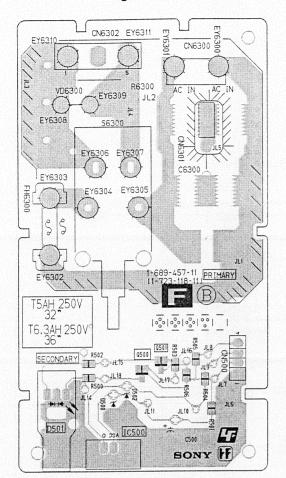


~ MS3 Board Schematic Diagram [Memory Stick] ~



A I B I C I D | E | F | G | H | I | J | K | L | M | N | O .

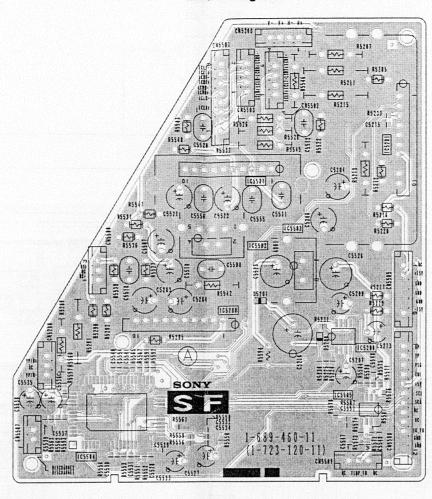
~ F Printed Wiring Board Conductor Side ~



~ F Board Difference Table ~

Ref	KV-32HQ100	KV-36HQ100
A501	-	HOLDER LED
C6300	-	0.0047UF
CN500	1-564-507-11 4P	1-564-519-11 4P
VD6300	VARISTOR	VARISTOR (ERZV14D621)

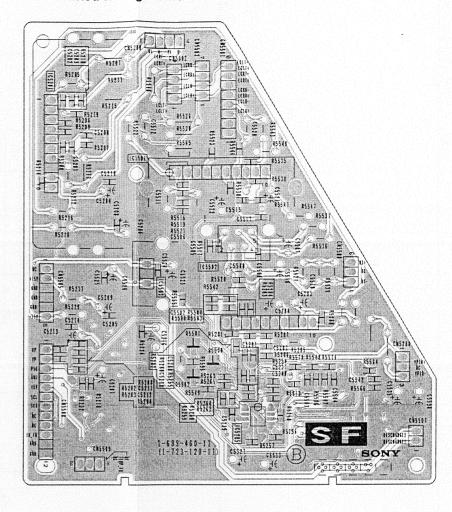
~ SF Printed Wiring Board Conductor Side A ~



~ SF Board Location Table A side ~

	ODE						
D5200	1 - 5	IC5200	I - 5	IC5501	H - 3	IC5504	G - 6
D5201	H - 4	IC5201	J - 2	IC5502	H - 4	IC5505	1 - 5

~ SF Printed Wiring Board Conductor Side B ~

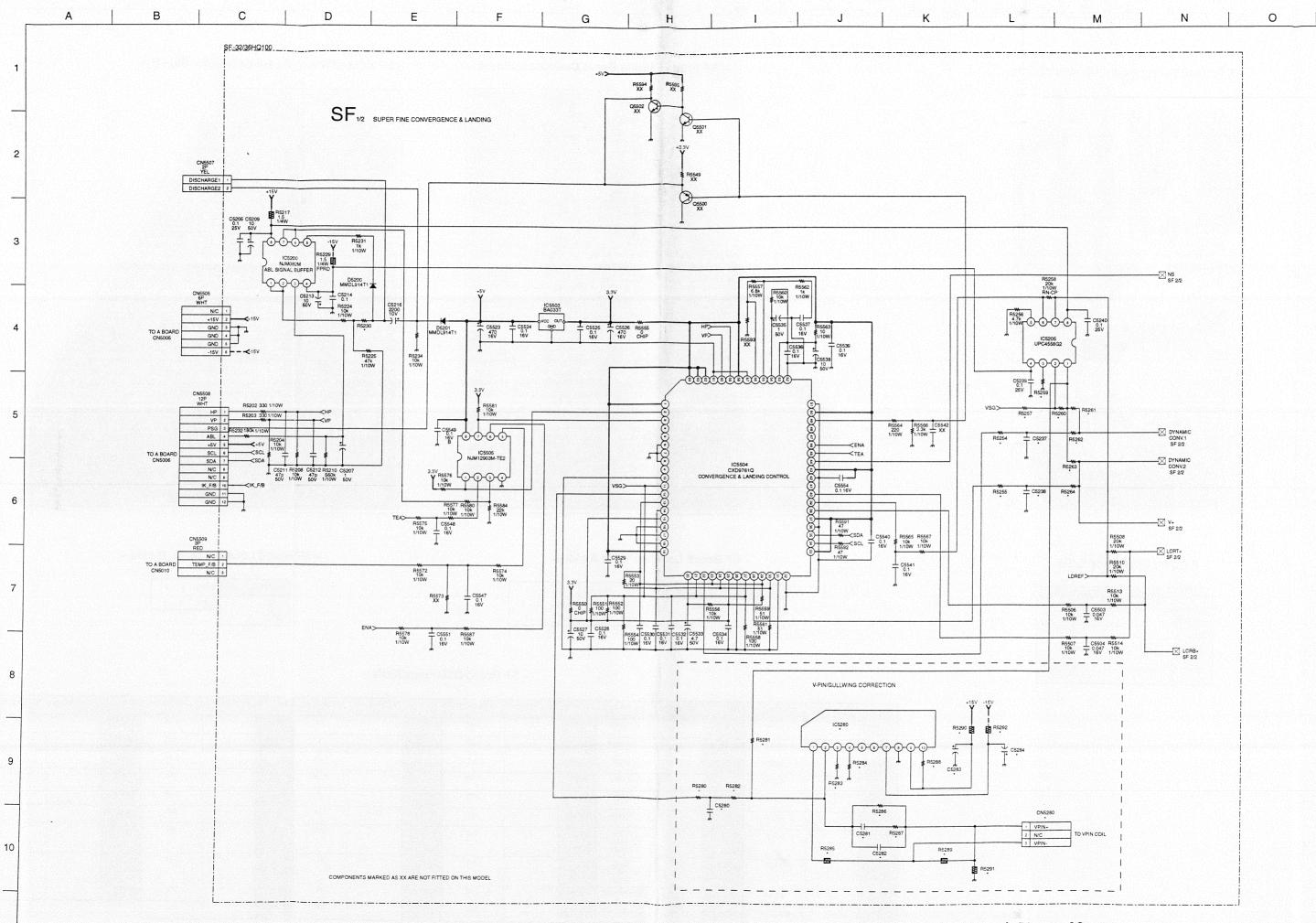


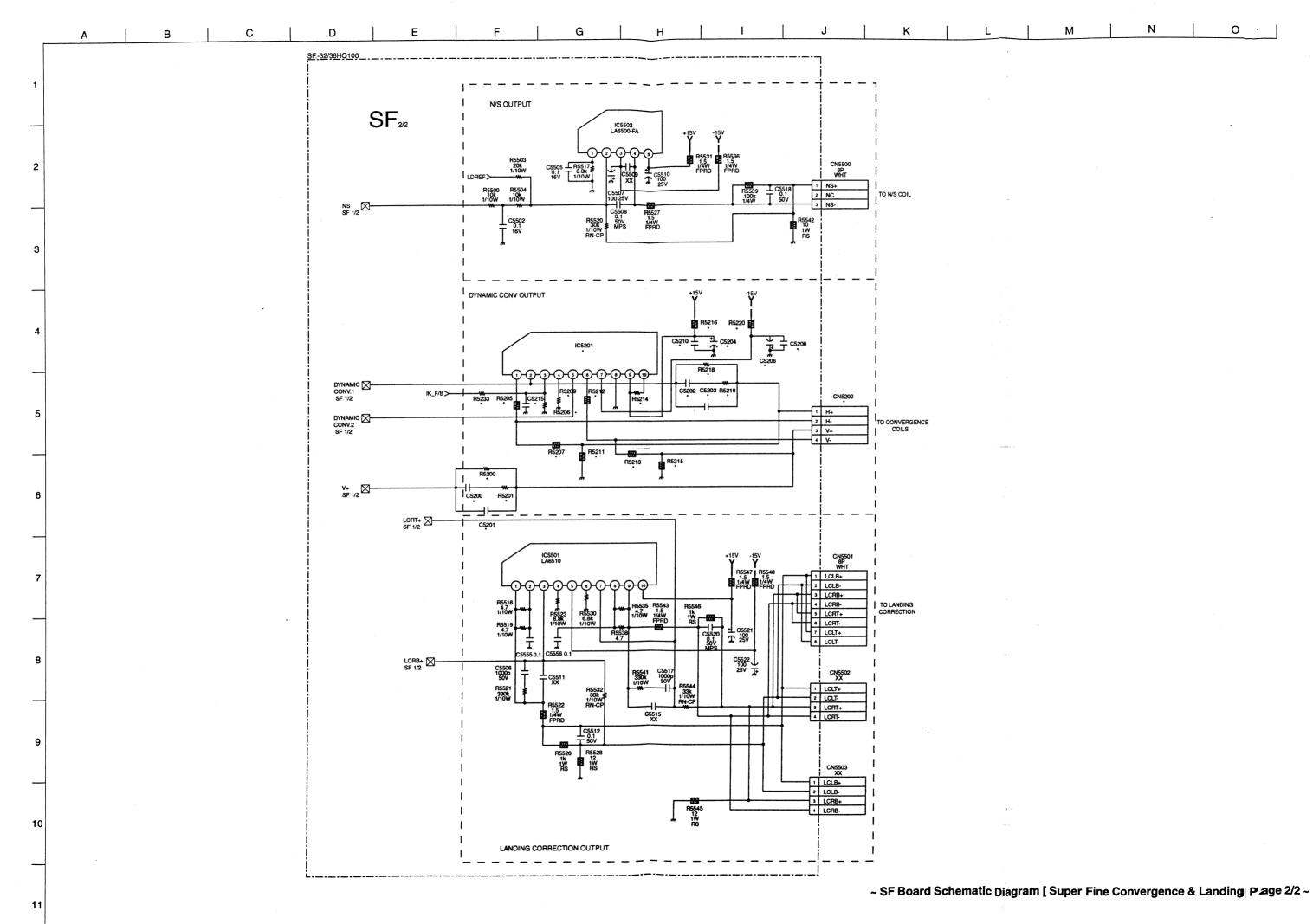
~ SF Board Location Table B side ~

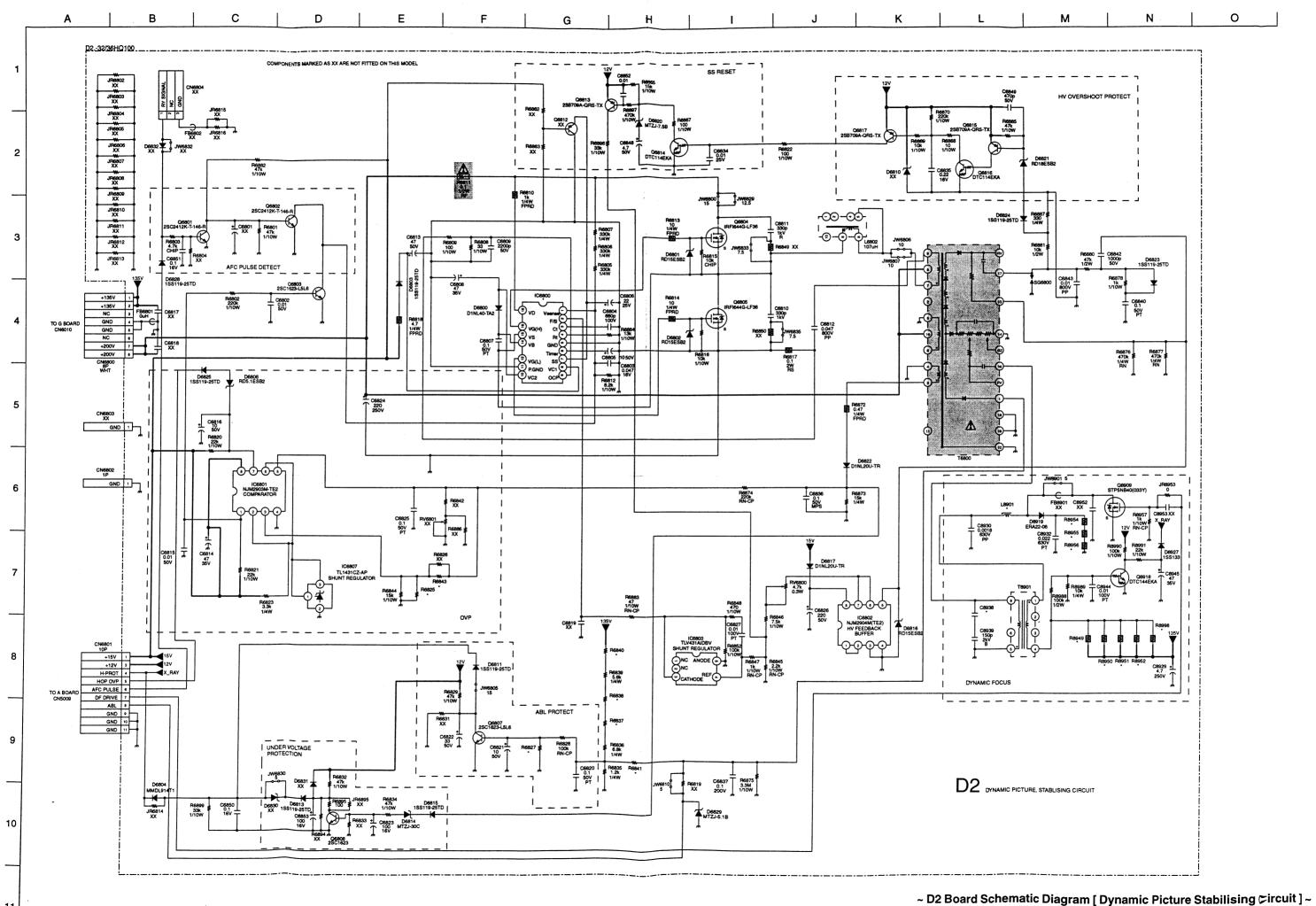
	IC	IC5503	L - 4
IC5501	L - 3	IC5505	M - 5
IC5502	M - 4		

~ SF Board Difference Table ~

Ref	KV-32HQ100	KV-36HQ100	Ref	KV-32HQ100	KV-36HQ100	Ref	KV-32HQ100	KV-36HQ100	Ref	KV-32HQ100	KV-36HQ100	Ref	KV-32HQ100	KV-36HQ100	Ref	KV-32HQ100	KV-36HQ100
C5200	-	100PF	C5238	-	0.0033UF	R5200	-	5.6K	R5215	-	3.3	R5259	-	4.7K	FI5284	-	1.2K
C5201		47PF	C5280	1 - 1 - 1 - 1	0.0033UF	R5201	<u>-</u>	2.2K	R5216	•	1	R5260		10K	R5285	-	1.5
C5202	-	100PF	C5281	-	100PF	R5205	-	1.5	R5218	-	5.6K	R5261	-	3.3K	R5286	-	5.6K
C5203	-	47UF	C5282	-	47PF	R5206	-	1.2K	R5219		2.2K	R5262	-	300	R5287	-	2.2K
C5204	-	100UF	C5283	-	100UF	R5207	-	270	R5220	-	1	R5263	-	3.3K	R5288	-	68K
C5206	-	100UF	C5284	-	100UF	R5209	-	1.2K	R5230	680K	1M	R5264	-	300	R5289	-	270
C5208	-	0.1UF	CN5200	-	PLUG, CONNECT- OR 4P	R5211	-	3.3	R5233	-	51K	R5280	-	3K	R5290	-	1
C5210	-	0.1UF	CN5280	•	PLUG, CONNECT- OR 3P	R5212	-	1.5	R5254	-	ЗК	FI5281	-	3.3K	R5291	-	3.3
C5215	-	0.01UF	IC5201		STK391-120	R5213	-	270	R5255	-	3К	R5282	-	300	R5292		1
C5237	-	0.0033UF	IC5280	• 788	STK391-120	R5214	-	68K	R5257	-	10K	R5283	-	1.2K			

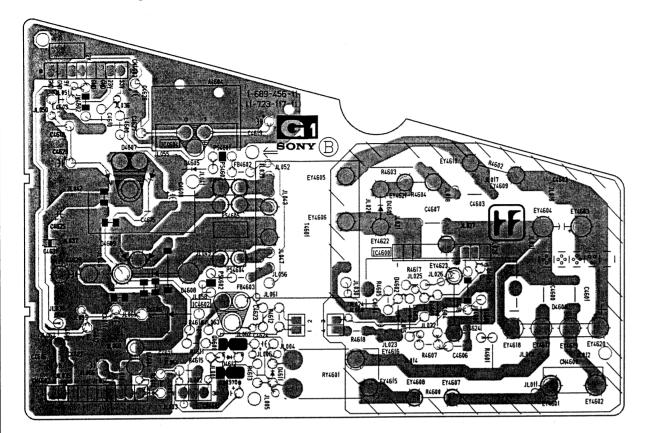






A B C D E F G H I J K L M N O.

~ G1 Printed Wiring Board Conductor Side~



~ D2 Printed Wiring Board Conductor Side~

~ D2 Board IC Voltages ~

Ref No	Pin No	Voltage (V)	Ref No	Pin No	Voltage (V)
	1	1.6		1-4	0
	2	1.8		5	6.8
	3	2.3	IC6802	6	6.7
	4	2.5		7	6.7
	5-6	0		8	14.2
	7	4.6		1-2	0
IC6800	8	13.9		3	1.7
	9	0	IC6803	4	1.2
	10	10.2		5	0
	11	0		1	2.5
	12	4.4	IC6807	2	0
	18	196.0		3	2.5
1	1	0			
	2	2.5			
	3	2.1			
	4	0			
IC6801	5	2.2			
	6	2.5			
	7	0			

8 14.7

~ D2 Board Difference Table ~

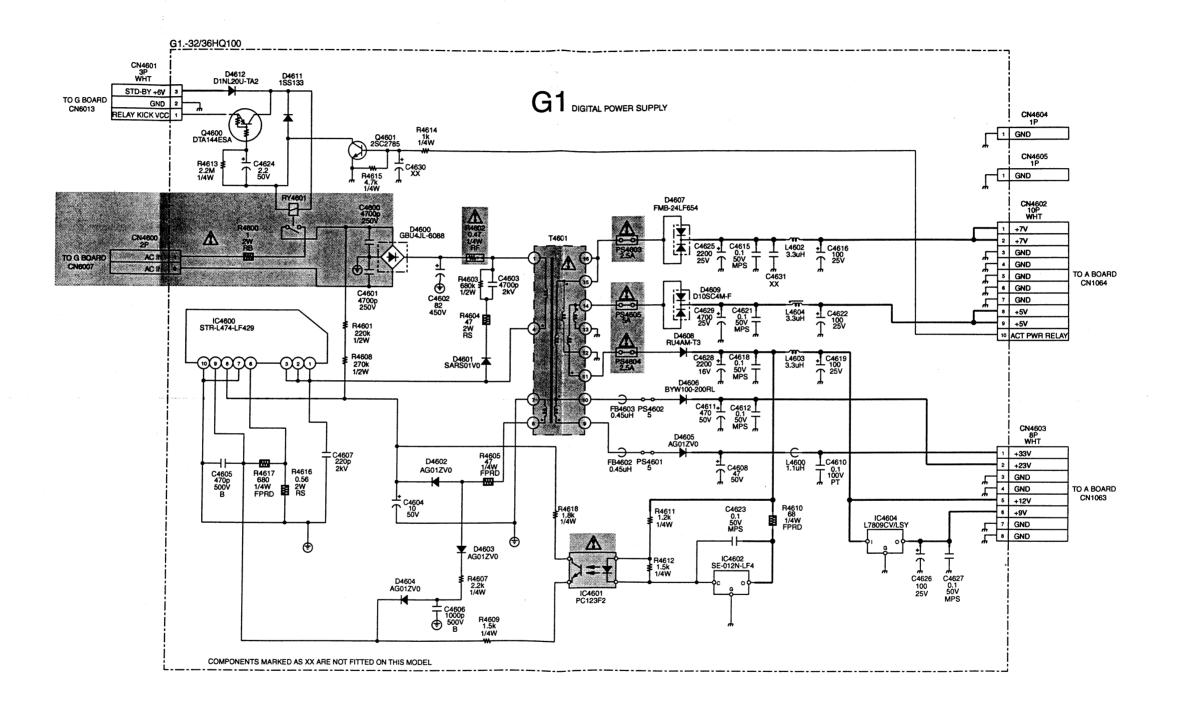
Ref	KV-32HQ100	KV-36HQ100		
C8938	-	150PF		
IC6800	MCZ3001DA	MCZ3001D		
L8901	4.7MH	3.3MH		
R6825	150K	-		
R6827	33K	56K		
R6837	5.6K	6.8K		
R6838	5.6K	6.8K		
R6840	6840 5.6K			
R6841	1K	560		
R6843	820	1K		
R8949	8.2K	4.7K		
R8950	8.2K	6.8K		
R8951	8.2K	4.7K		
R8952	8.2K	4.7K		
R8954	100K	33K		
R8955	100K	33K		
R8956	100K	100K		
R8998	8.2K	4.7K		

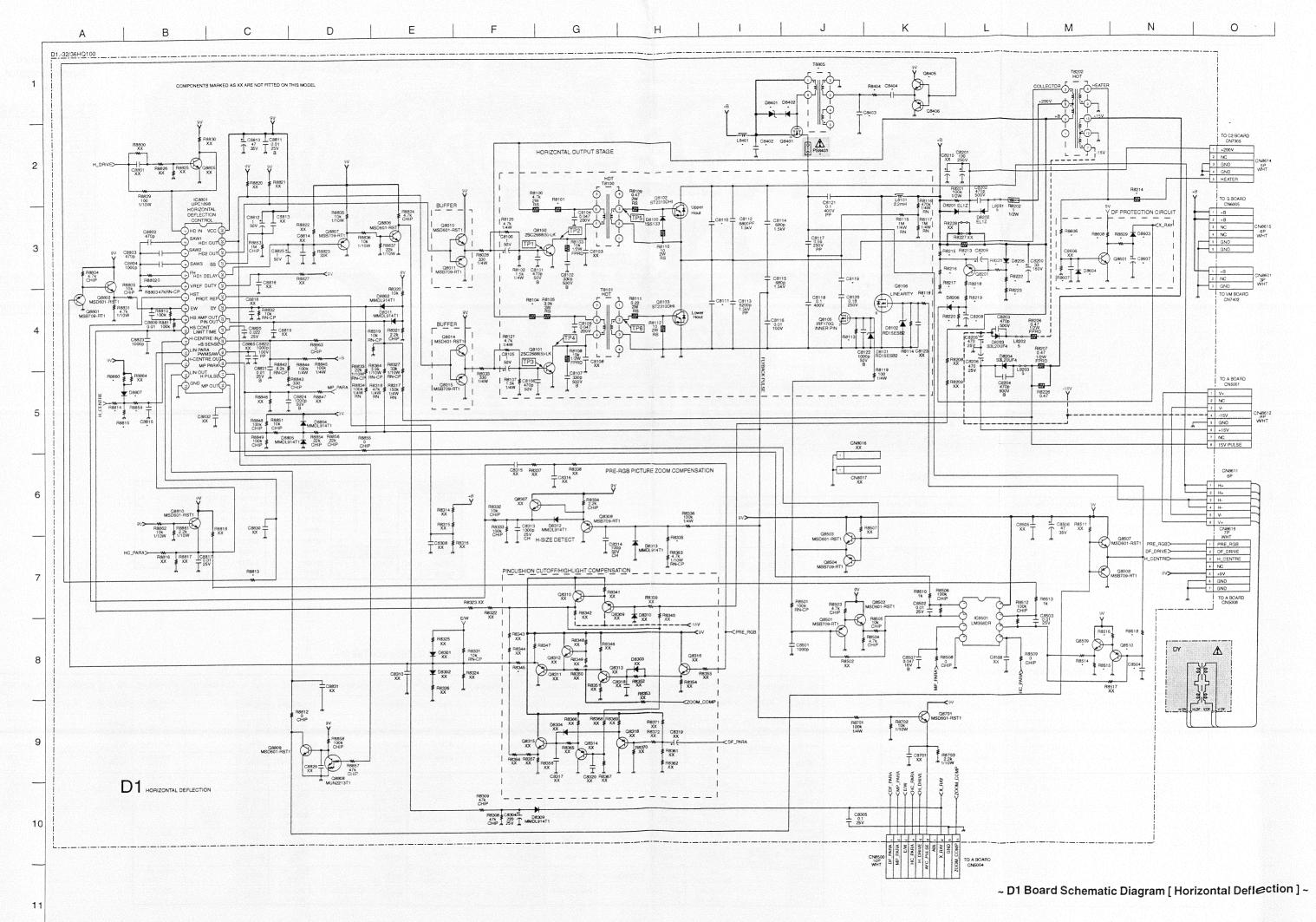
~ D2 Board Location Table ~

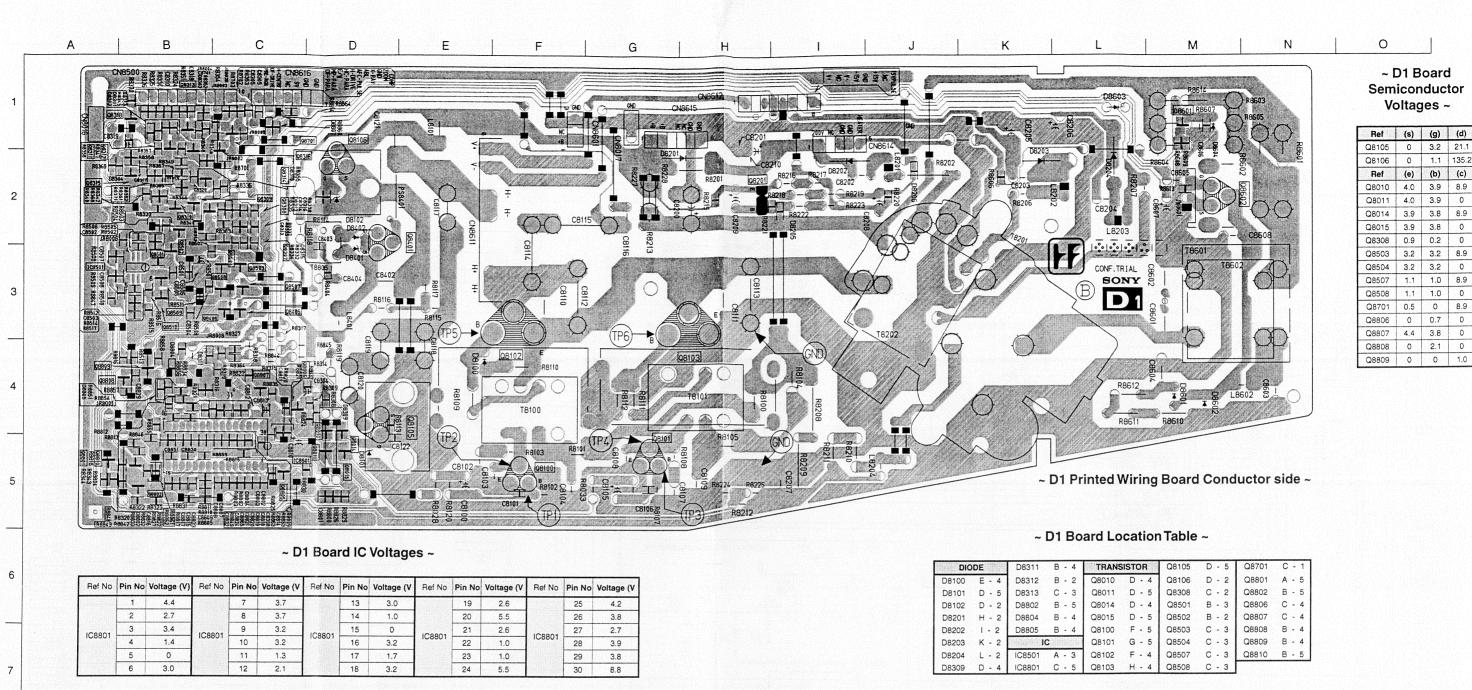
DIODE	D6803	0 - 5	D6813	L - 3	D6817	L - 2	D6823	J - 5	D8919 H - 3	IC6801	0 - 3	TRANSISTOR	Q6804	M - 4	Q6813	K - 2	Q6817 I - 5
D6800 N -	D6804	J - 5	D6814	N - 3	D6820	L - 2	D6824	1 - 4	D8927 J - 6	IC6802	K - 1	Q6801 O - 4	Q6805	N - 4	Q6814	K - 2	Q89909 H - 3
D6801 M -	D6806	N - 3	D6815	N - 3	D6821	1 - 5	D6825	N - 3	IC	IC6803	L - 2	Q6802 O - 3	Q6807	J - 5	Q6815	1 - 4	Q8918 I - 6
D6802 N - 5	D6811	J - 5	D6816	L - 2	D6822	M - 3	D6828	0 - 5	IC6800 N - 4	IC6807	0 - 3	Q6803 O - 3	Q6808	M - 3	Q6816	1 - 4	

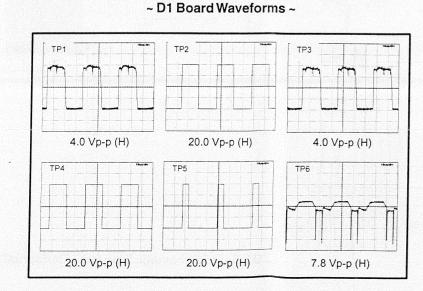
~ D2 Board Semiconductor Voltages ~

Ref	(0)	(b)	(c)
Q6801	0	0.6	0
Q6802	0	0	1.6
Q6803	0	0	1.6
Q6807	0	0.6	0
Q6808	0	0.6	0
Q6813	11.9	11.4	1.2
Q6814	0	0	11.9
Q6815	11.9	11.9	0
Q6816	0	0	11.7
Q6817	11.9	11.7	0
Q8918	0	6.4	0



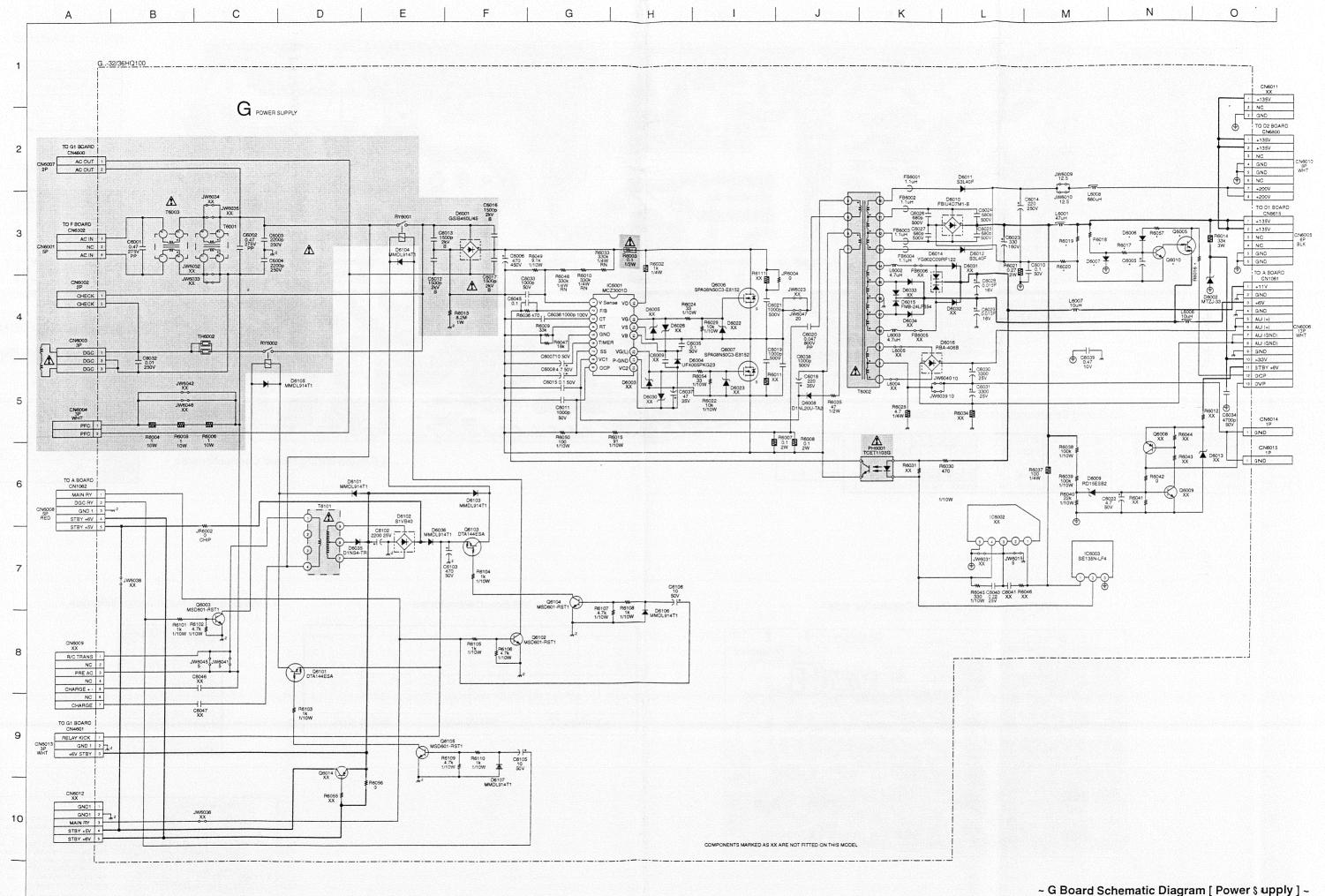


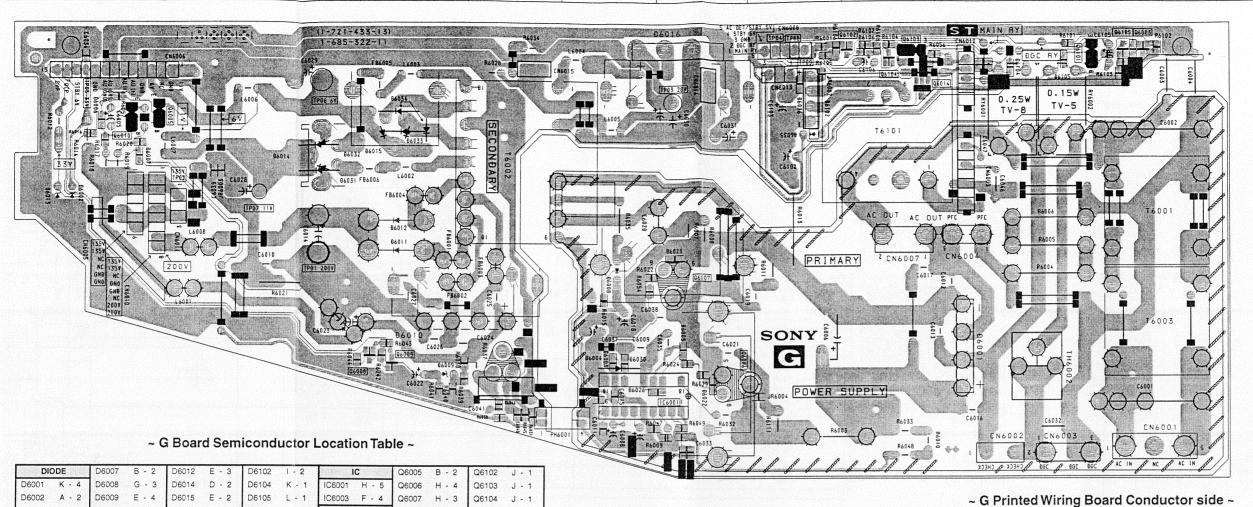




~ D1 Board DifferenceTable ~

Ref	KV-32HQ100	KV-36HQ100	Ref	KV-32HQ100	KV-36HQ100	Ref	KV-32HQ100	KV-36HQ100	Ref	KV-32HQ100	KV-36HQ100	Ref	KV-32HQ100	KV-36HQ100	Ref	KV-32HQ100	KV-36HQ100
C8110	220PF 10.00% 2KV	470PF 5.00% 2KV	D8205	-	MMDL914T1	Q8401	-	IRF1740G	R8213	-	1.5 5% 2W	R8345	-	22K 5% 1/10W	R8813	-	SHORT 0
C8111	680PF 3.00% 1.5	470PF 3.00% 1.5	D8206	-	MMDL914T1	Q8405	-	MSD601-RS- T1	R8215	-	1K 0.5% 1/10W	R8347	-	33K 5% 1/10W	R8814	-	22K 0.5% 1/10W
C8119	0.18UF 3.00%1.5	0.22UF 3.00% 1.5	D8401	-	RD15ESB2	Q8406	-	MSB709-RT1	R8216	-	39K 1% 1/4W	R8404	-	47 5% 1/10W	R8815	-	10K 0.5% 1/10W
C8208	-	100UF 20.00% 25V	D8402	-	1SS133T-77	Q8509	-	MSD601-RS- T1	R8217	-	39K 1% 1/4W	R8514	-	10K 5% 1/10W	R8859	-	10K 0.5% 1/10W
C8209	-	100UF 20.00% 25V	D8603	-	1SS133T-77	Q8510	•	2SA103AK T146R	R8218	-	100K 1% 1/4W	R8515	-	4.7K 5% 1/10W	R8860	-	27K 0.5% 1/10W
C8402	-	0.047UF 5.00% 400	D8604	-	1SS133T-77	Q8601	•	MSD601-RS- T1	R8219	-	100K 1% 1/4W	R8516	-	4.7K 5% 1/10W	T8805	·	TRANSFOR- MER, DRIVE
C8403	-	470PF 10.00% 50V	D8807	-	1SS355TE-1- 7	R8101	3.9K 5% 2W	3.3K 5% 2W	R8220	-	22K 5% 1/10W	R8517	1K 5% 1/10W				
C8404	-	1UF 5.00% 50V	L8401	<u>-</u>	4.7MH	R8104	4.7K 5% 2W	3.3K 5% 2W	R8221	-	10K 5% 1/10W	R8606	-	22K 5% 1/10W			
C8504	0.0022UF 10.00% 50V	0.001UF 10.00% 50V	PS8401	-	1.6A	R8113	-	470K 5% 1/10W	R8222	-	100K 1% 1/4W	R8607	-	22K 5% 1/10W			
C8607	<u>-</u>	10UF 20.00% 50V	Q8106	STP5NB40FP	IRF1740G	R8114	-	100K 5% 1/10W	R8223	-	100K 1% 1/4W	R8608	-	100K 5% 1/10W			
C8815	-	0.01UF 10.00% 25V	Q8201	-	2SA1208S-T-	R8118	100 5% 1/4W	47 5% 1/4W	R8335	4.7K 0.5% 1/10W	8.2K 0.5% 1/10W	R8609	-	22K 5% 1/10W			





~ G Board IC Voltages ~

IC	Voltage	Table
Ref No	Pin No	Voltage (V)
	1	134.0
IC6003	2	11.3
	3	0

~ G Board Semiconductor Voltages ~

Ref	(e)	(b)	(c)
Q6003	0	0.3	10.9
Q6005	7.1	6.9	0.6
Q6010	0	0.5	6.9
Q6101	23.8	23.6	11.0
Q6102	0	0.7	0
Q6103	23.7	23.4	10.4
Q6104	0	0	23.4
Q6105	0	0	23.6

~ G Board Difference Table ~

Ref	KV-32HQ100	KV-36HQ100
C6005	22UF	-
D6006	MMDL914T1	-
D6007	MMDL914T1	-
Q6005	DTA144ESA	
Q6010	2SC2785-HFE	-
R6016	1K	-
R6017	10K	-
R6018	470K	-
R6019	330K	-
R6020	820	-
R6057	4.7K	-

~ VM Printed Wiring Board Conductor side ~

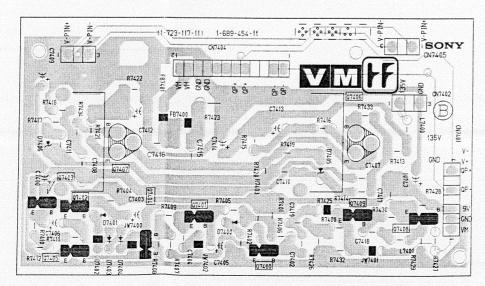
TRANSISTOR Q6010 B - 2

Q6105 M - 1

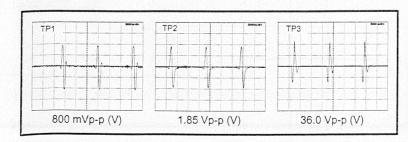
D6016 H - 1

D6006 B - 2 D6011 E - 3 D6035 I - 2 D6107 M - 1 Q6003 M - 1 Q6101 L - 1

D6106 J - 1

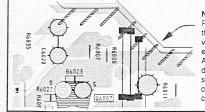


~ VM Board Waveforms ~



~ VM Board Semiconductor Voltages ~

	Ref	(e)	(b)	(c)
	Q7400	0.9	1.5	8.8
	Q7401	0.9	1.6	5.0
- 1	Q7402	5.8	6.4	8.8
	Q7403	5.6	5.8	8.8
- 1	Q7404	5.6	5.0	0
Ī	Q7405	5.6	5.6	0
	Q7406	133.9	133.6	67.2
	Q7407	1.0	1.3	67.2
ı	Q7408	3.9	3.1	3.9
ı	Q7409	3.9	3.2	8.8

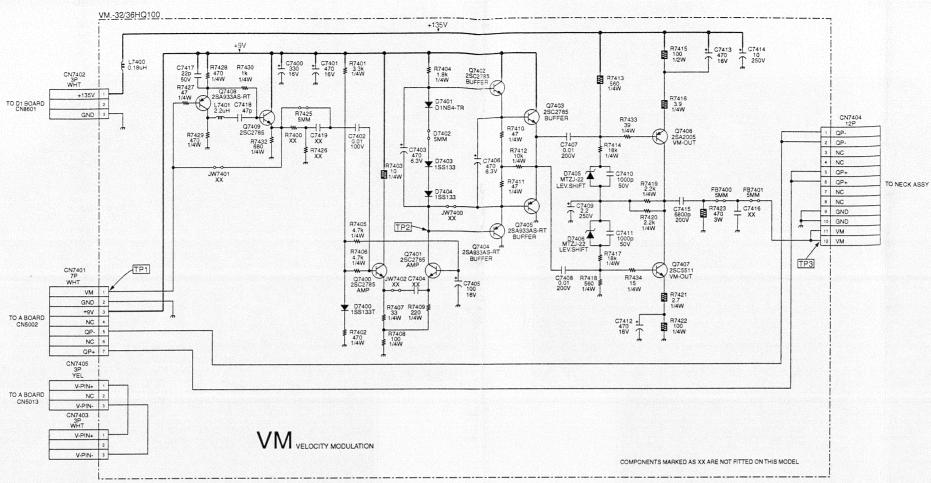


Note:

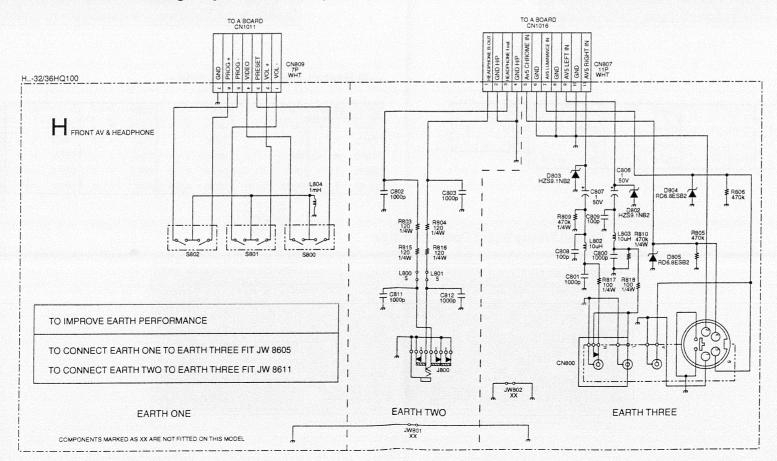
Portions of the circuit contained within the marked areas as show, have high voltages present. Use careto prevent electric shock during inspection or repair. An Isolation Transformer myst be used during any Service work togavoid possible shock hazard due to live classis. The chassis of this receiver is directly connected to the power line.

A | B | C | D | E | F | G | H | I | J | K | L | M | N | O

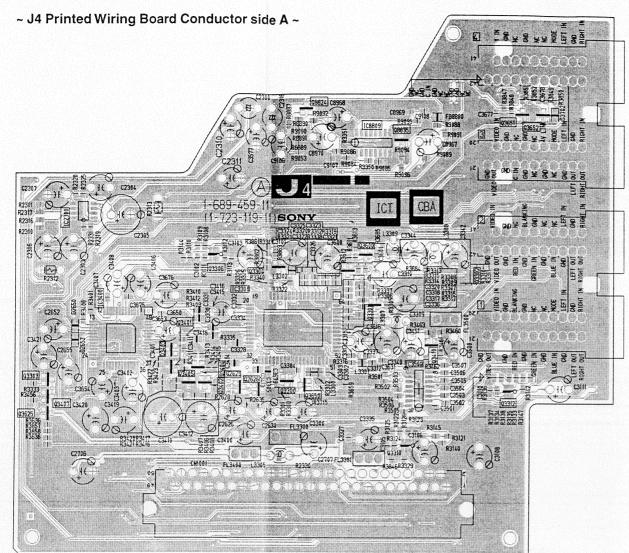
~ VM Board Schematic Diagram [Velocity Modulation] ~



~ H Board Schematic Diagram [Front AV & Headphone] ~

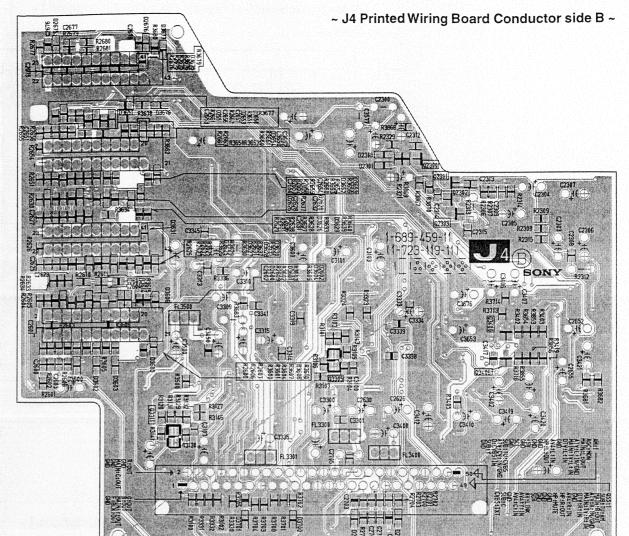


A B C D E F G H I J K L M N O



~ J4 Board Location Table A side ~

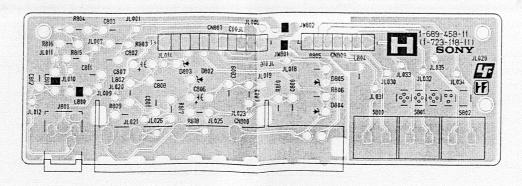
DI	ODE		IC	IC3500	E - 5	Q3300	D - 5	Q3310	E - 6	Q3403	C - 4	Q3410	E - 4	Q3651	F - 2
D2650	B - 4	IC2300	B - 3	TRAN	SISTORS	Q3302	F - 4	Q3312	F - 5	Q3404	C - 5	Q3600	E - 3	Q3652	F - 2
D2652	B - 4	IC3300	C - 4	Q2625	C - 5	Q3303	A - 5	Q3401	C - 4	Q3405	C - 5	Q3625	A - 5	Q8824	D - 2
D3702	G - 2	IC3400	B - 4	Q2626	C - 5	Q3306	C - 4	Q3402	C - 5	Q3407	A - 5	Q3650	D - 5		

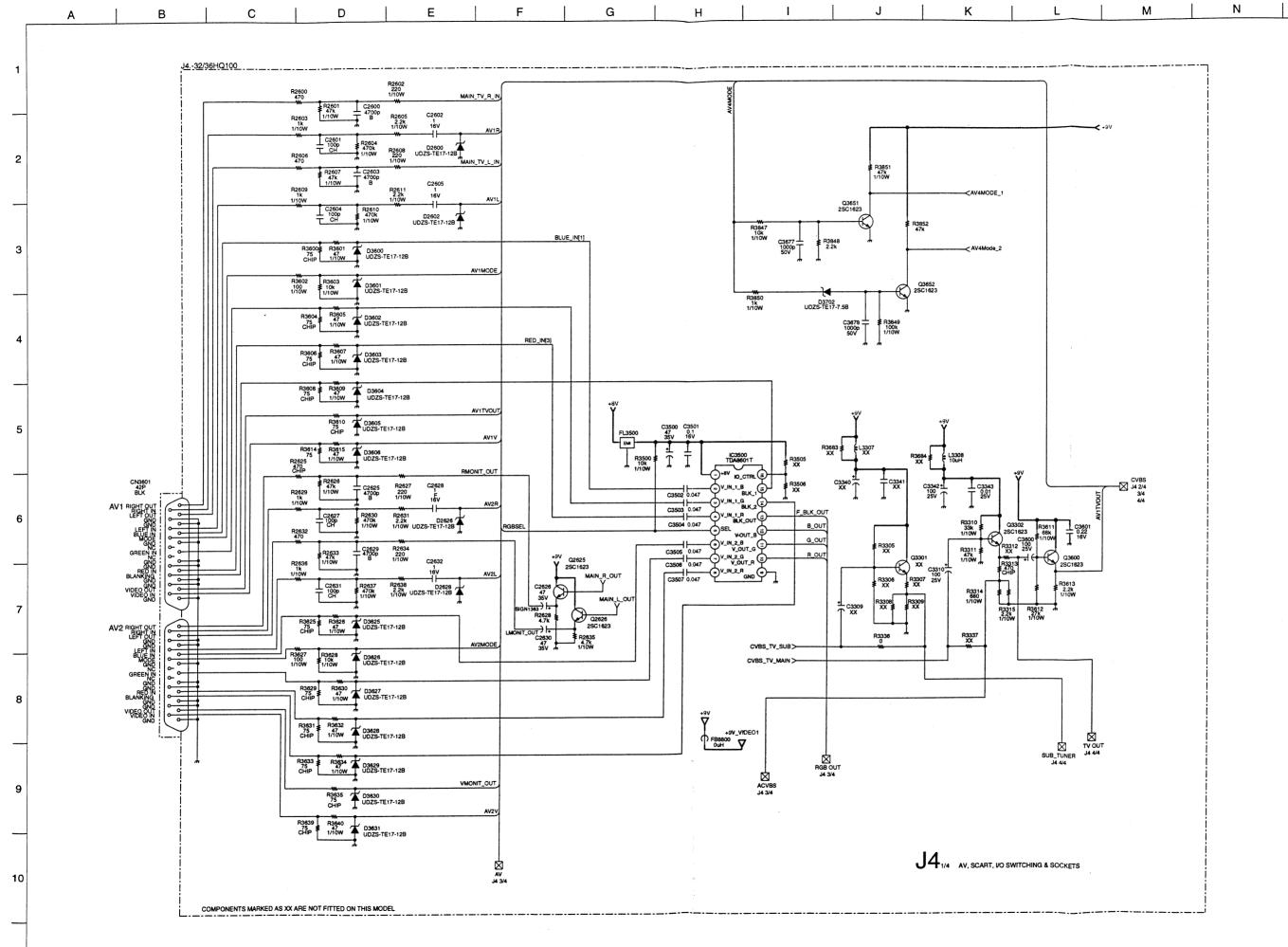


~ J4 Board Location Table B side ~

DIC	DDE	D2675	1 - 1	D3603	1 - 5	D3627	K - 3	D3652	K - 3	D3700	K - 6	Q2303	М - 3
D2300	L - 2	D2676	1 - 1	D3604	K - 4	D3628	K - 3	D3653	J - 2	D3701	J - 6	Q3305	K - 5
D2600	K - 4	D2700	L - 6	D3605	1 - 5	D3630	K - 3	D3654	K - 2	TRAN	SISTOR	Q3311	1 - 5
D2602	K - 4	D2701	L - 6	D3606	J - 4	D3631	J - 3	D3675	J - 2	Q2300	M - 2	Q3400	M - 4
D2626	К - 3	D3601	K - 4	D3625	J - 3	D3650	K - 2	D3676	J - 2	Q2301	М - 3	Q3406	M - 5
D2651	J - 2	D3602	1 - 5	D3626	K - 3	D3651	1 - 2	D3677	J - 1	Q2302	M - 3		

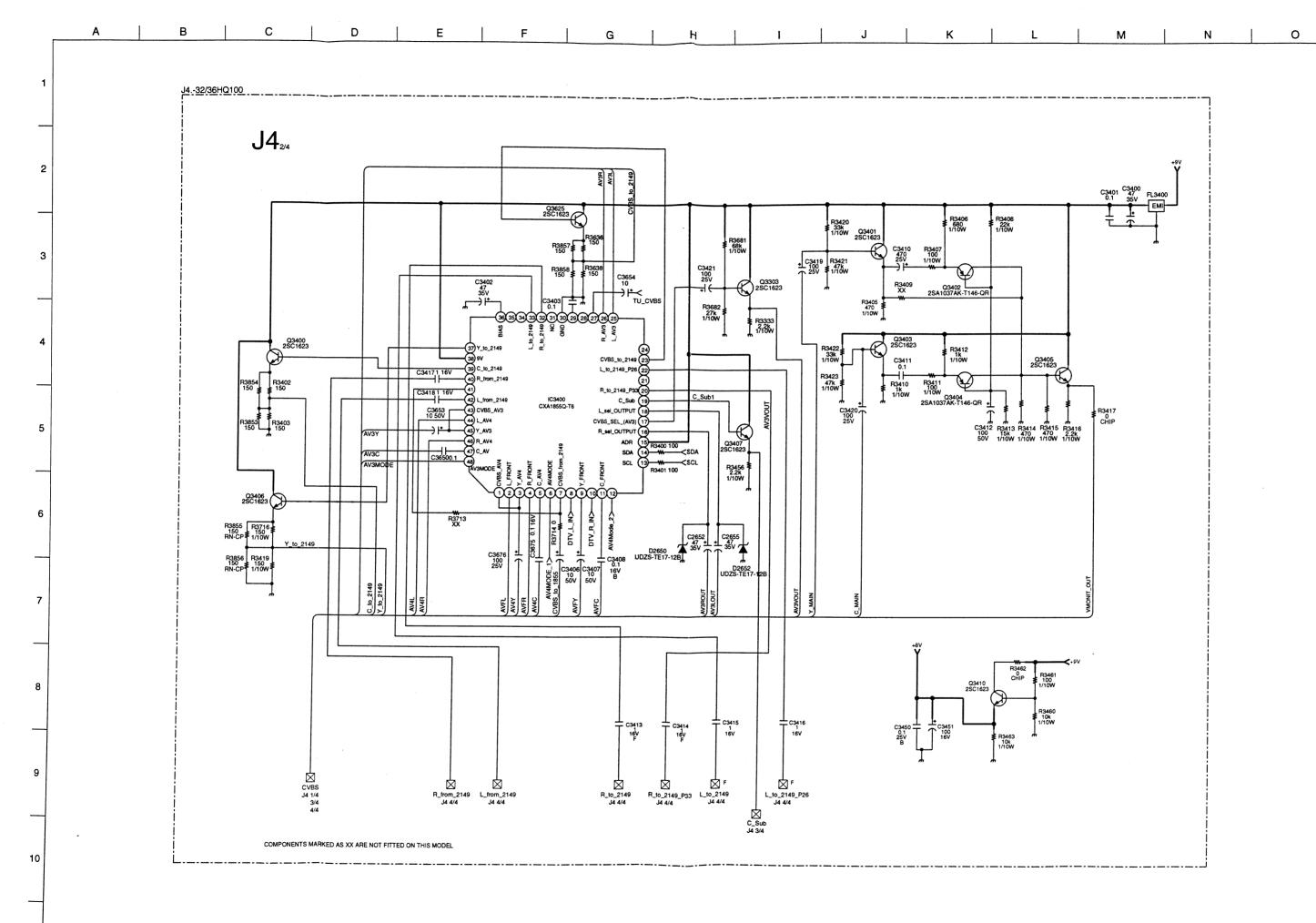
~ H Printed Wiring Board Conductor side ~

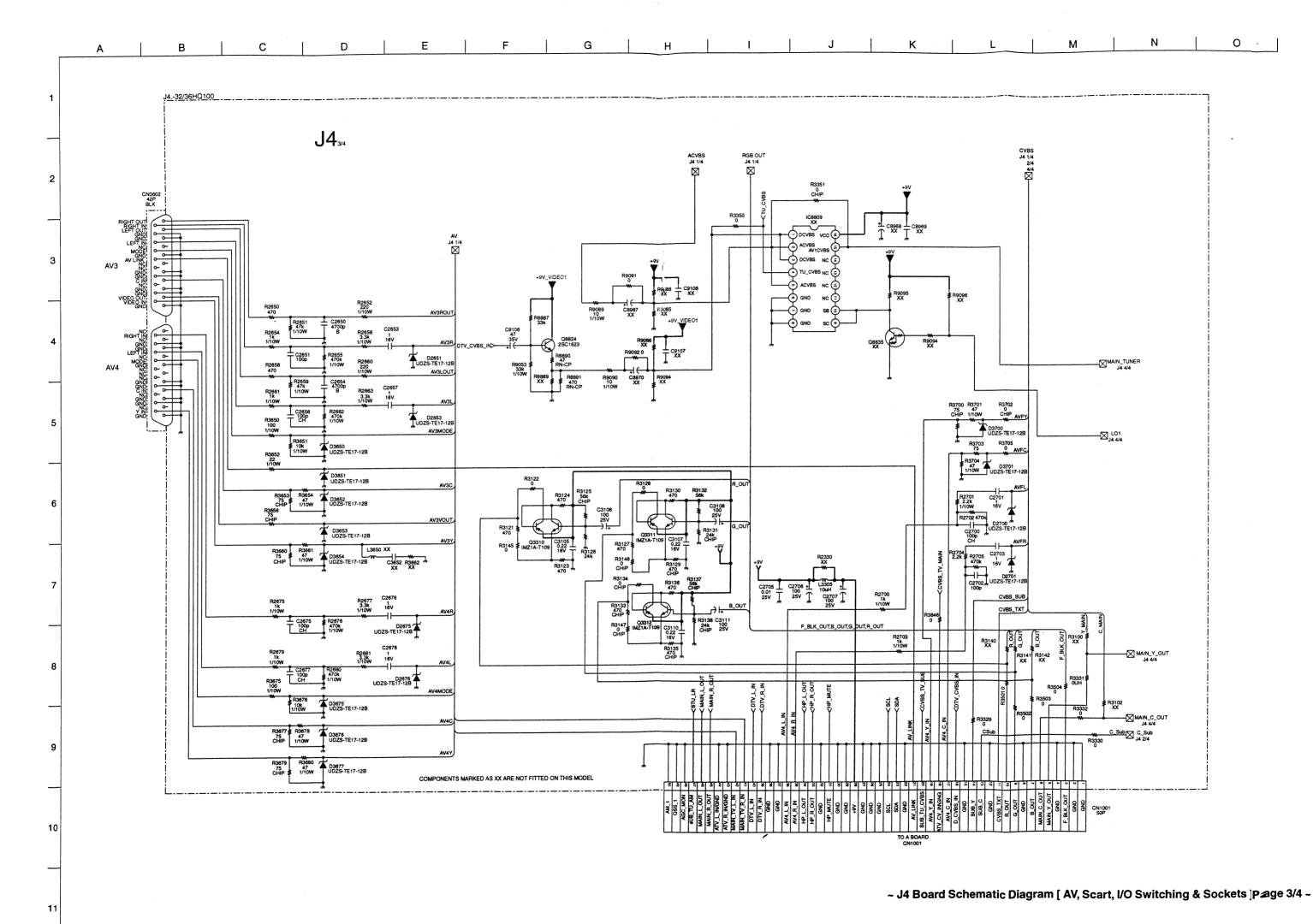




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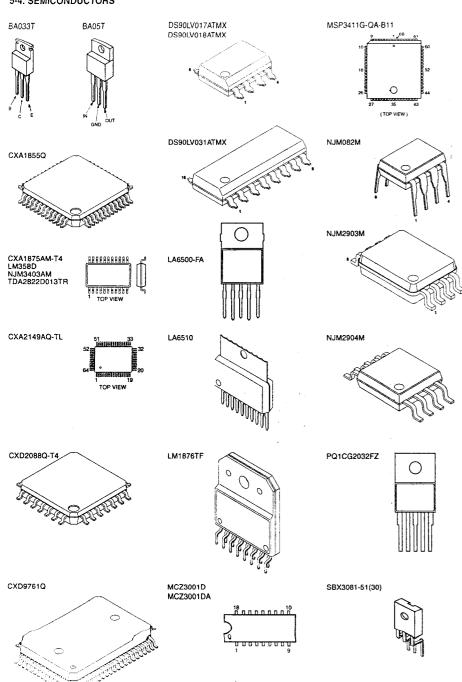
J4.-32/36HQ100 J4_{4/4} R_to_2149 R_to_2149_F33
J4 3/4 J4 3/4 C_to_2149 MAIN_TV_R_IN R2321 C3330 1 16V F SUB_TUNER D-LO1 X-R2306 R3320 560 Wh C3322 10p CH C3323 100p CH R332 W 560 C3324 10p CH R3685 L3309 C3325 R3326 R3863 0UH R3341 R3861 XX X XX COMPONENTS MARKED AS XX ARE NOT FITTED ON THIS MODEL

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0

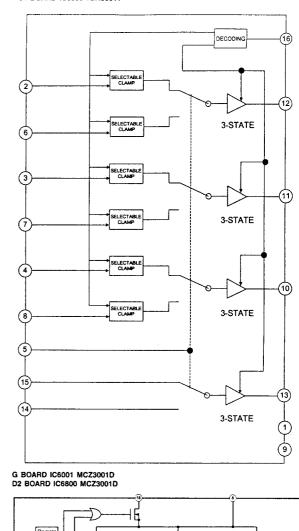
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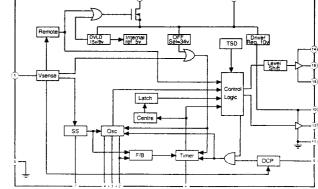
5-4. SEMICONDUCTORS



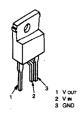
5-5 IC BLOCK DIAGRAMS

J4 BOARD IC3500 TDA8601T









TDA7482



SN65LVDS32DR



TDA8601T



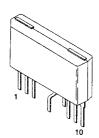
SN74CBTLV1G125DCKR



TL1431CZ-AP



STR-L474-LF429



TLV431AIDBV



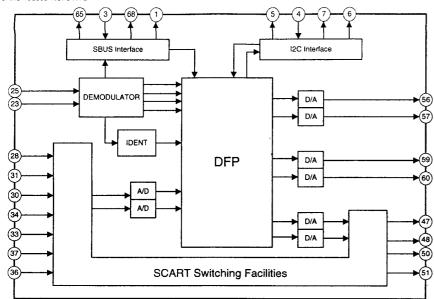
TDA6120Q/N2/S1



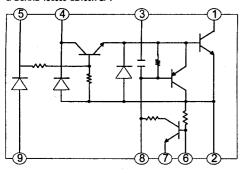
UPC1898CT-A

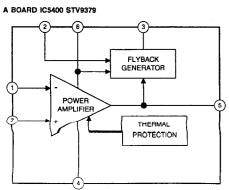


A BOARD IC2000 MSP3411G

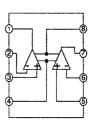


G BOARD IC6003 SE135N-LF4

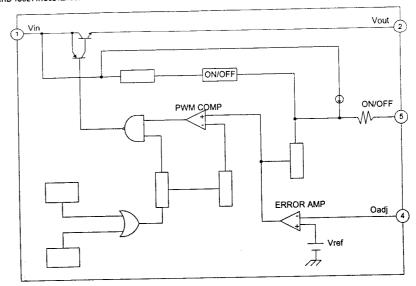




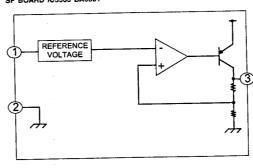
D1 BOARD IC8501 LM358



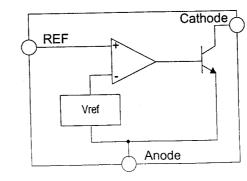
A BOARD IC6211/IC6212/IC6213 PQ1CG2032FZ



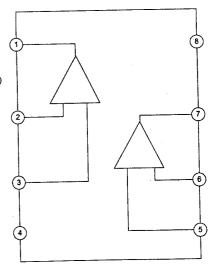
A BOARD IC6203/IC5600 BA033T/BA12T SF BOARD IC5503 BA033T



D2 BOARD IC6803/IC6807 TLV431



D2 BOARD IC6801/IC6802 NJM2903/NJM2904



SECTION 6 EXPLODED VIEWS

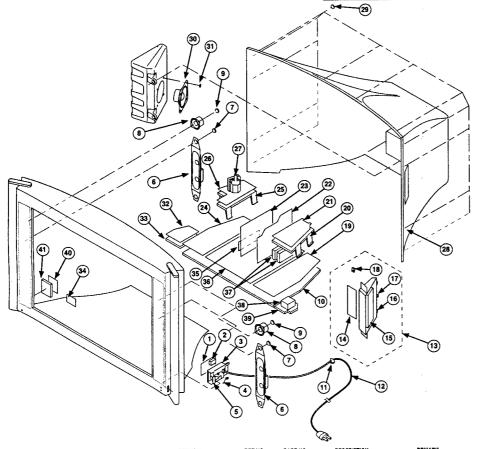
NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remarks column.

 Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these Note: Les composants indentifies par une trame et par une marque \(\Delta \) sonte d'une importance critique pour la securité. Ne les remplacer que par des pieces du numero specifie.

Note: The components identified by shading and marked ∆ are critical for safety. Replace only with the part numbers specified in the parts list.

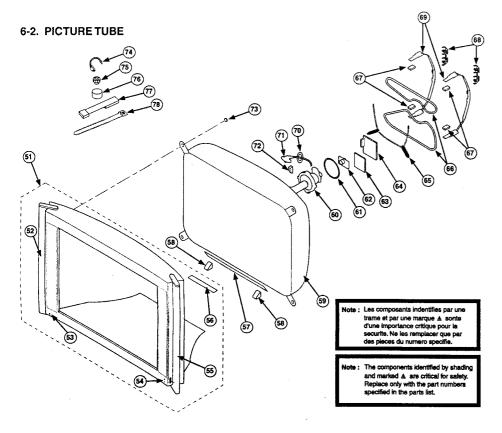
6-1. CHASSIS



REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
<u> </u>	*A-1405-851-A	F BOARD, COMPLETE	(KV-32HQ100B/E/K)	13	A-1604-541-A	DOOR COMPL. ASSY	(14-18)
	*A-1405-512-A	F BOARD, COMPLETE	(KV-36HQ100B/E/K)	14	*A-1405-514-A	H BOARD, COMPLETE	
2	1-571-433-21	SWITCE, PUSE (AC PO	EER)	15	4-095-031-01	DOOR	
3	*4-095-033-01	F BRACKET		16	4-205-743-11	SPRING, TORSION	
4	*4-095-037-01	SPRING BUTTON POWER		17	4-047-464-01	CATCHER, PUSH	
5	*4-095-026-01	BUTTON, POWER		18	4-205-682-01	DAMPER	
6	1-825-177-11	LOUDSPEAKER (4.2X24	CM)	19	*A-1405-704-A	G BOARD, COMPLETE	(KV-32HQ100B/E/K)
7	7-685-663-71	SCREW, + BVTP 4X16	TYPE2 IT-3		*A-1405-703-A	G BOARD, COMPLETE	(KV-36HQ100B/E/K)
8	1-542-437-11	SPEAKER (2CM)		20	4-206-383-11	BRACKET, G1	
§	7-885-661-14	SCREW, + BUTP 4XIX	TYPE2 IT-3	21	*A-1405-505-A	Gl BOARD, COMPLETE	
10	*4-206-106-26	BRACKET, MAIN		22	*A-1405-503-A	J4 BOARD, COMPLETE	
11	*4-202-531-01	AC CORD LOCK (SC)		23	*A-1405-504-A	N BOARD, COMPLETE	
12	△ 1-823-853-11	CORD, POWER					CONTINUED

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
24	*A-1405-539-A	D1 BOARD, COMPLETE	(KV-32HQ100B/E/K)	33	*4-095-036-01	SF BRACKET	
	*A-1405-507-A	D1 BOARD, COMPLETE	(KV-36HQ100B/E/K)	34	*A-1410-666-A	SF2 BOARD, COMPLETE	
25	*4-087-469-02	BRACKET, D2		35	*A-1405-501-A	B BOARD, COMPLETE	
26	*A-1405-540-A	D2 BOARD, COMPLETE	(KV-32HQ100B/E/K)	36	*A-1302-431-A	A BOARD, COMPLETE	(KV-32EQ100B)
	*A-1405-509-A	D2 BOARD, COMPLETE	(KV-36HQ100B/E/K)	İ	*A-1302-304-A	A BOARD, COMPLETE	(KV-32EQ100E/K)
27 Д	1-453-444-21	TRANSPORMER ASSY, FL	YBACK (MX-6020//2284)	Į.	*A-1302-418-A	A BOARD, COMPLETE	(KV-36HQ100B)
28	4-095-048-01	COVER, REAR	(KV-32HQ100B/E/K)		*A-1302-293-A	A BOARD, COMPLETE	(KV-36HQ100E/K)
	4-095-019-01	COVER, REAR	(KV-36EQ100B/E/K)	37	8-598-536-20	FRONT END BTF-EF412	(KV-32/36HQ100B)
29	7-685-663-79	SCREW +BVTP 4X16 TYP	E2 IT-3		8-598-534-10	FRONT END BTF-EC412	(KV-32/36HQ100E/K)
30	1-825-213-21	LOUDSPEAKER (10CM)		38	1-424-855-11	COIL, CHOKE 29MMR	
31	4-058-870-01	SCREW, (4X16) W(+)P !	TAPPING	39	4-206-384-11	BRACKET, PFC	
32	*A-1410-377-A	SF BOARD, COMPLETE	(KV-32HQ100B/E/K)	40	*A-1405-513-A	MS3 BOARD, COMPLETE	
	*A-1405-506-A	SF BOARD, COMPLETE	(KV-36HQ100B/E/K)	41	*4-095-032-01	MS BRACKET	

SECTION 7 ELECTRICAL PARTS LIST



REF.N	D. PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
51	X-4041-553-1	BEZNET ASSEMBLY 52-56	(KV-32EQ100B/E/K)	64	*A-1405-502-A	C2 BOARD, COMPLETE	
	X-4041-552-1	BEZNET ASSEMBLY 52-56	(KV-36HQ100B/E/K)	65	4-369-318-21	SPRING, TENSION	(KV-32EQ100B/E/K)
52	X-4041-879-1	FRONT LEG LEFT ASSY	(KV-32EQ100B/E/K)		4-089-228-01	SPRING EXTENSION	(KV-36EQ100B/E/K)
	X-4041-874-1	FRONT LEG LEFT ASSY	(KV-36EQ100B/E/K)	(22.60	PENE IN		0(12010)(0)11/10
53	*4-095-027-01	GUIDE LIGHT LEFT			AGE STATE	greensy experience	15.
54	*4-095-028-01	GUIDE LIGHT RIGHT					metallication
55	X-4041-879-1	FRONT LEG RIGHT ASSY	(KV-32EQ100B/E/K)	67	4-098-510-11	DGC, CUSHION	(KV-32EQ100B/E/K)
	X-4041-873-1	FRONT LEG RIGHT ASSY	(KV-36EQ100B/E/K)		4-098-501-11	DGC, CUSEION	(KV-36HQ100B/E/K)
56	4-204-865-01	SHEET, BLOTTING	(KV-32EQ100B/E/K)	68	4-089-227-02	DGC CLIP	(KV-36BQ100B/E/K)
	4-204-865-21	SHEET, BLOTTING	(KV-36HQ100B/E/K)	69	*4-204-768-02	HOLDER, DGC (29)"	(KV-32HQ100B/E/K)
57	4-204-66-01	SHEET, BLOTTING	(KV-32HQ100B/E/K)	1	4-064-945-05	HOLDER, DGC	(KV-36HQ100B/E/K)
	4-203-128-21	SHEET, BLOTTIEG	(XV-36EQ100B/E/K)	70	4-202-554-02	HOLDER, HV CABLE	
58	*4-203-098-01	SUPPORTER, CRT		Park	FAIGHE!	CAP ASSY, HIGH-VOLTAGE	
59	A 8-735-079-05		(XV-32BQ100B/E/X)	72	3-704-495-03	SPACER, DY	(KV-32HQ100B/E/K)
No.	The state of the s	CRT WOGLEXCOOK	(XV-368Q1008/E/X)		4-096-665-01	SPACER, DY	(KV-36HQ100B/E/K)
20	Y : 1-127-230-31	M (Y32XVC3)	(XV-32RQ100B/R/X)	73	4-046-765-12	SCREW, TAPPING 7+CROWN	WASHER
S. Pro-	A 8-451-538-11	DY Y36DECP-N	(KV-36EQ100B/E/K)	74	4-308-870-00	CLIP, LEAD WIRE	
61	1-452-896-11	COIL, NA ROTATION (RT2	00)	75	1-452-094-00	MAGNET, ROTATABLE DISK	; 15MM
62	A 8-453-022-21	NA2920-M2	(KV-32HQ100B/E/K)	76	1-452-032-00	MAGNET, DISK; 10MM	
	△ 8-453-023-41	NA328M4	(KV-36HQ100B/E/K)	77	X-4387-214-1	PERMALLOY ASSY, CORRECT	TION
63	*A-1405-508-A	VM BOARD, COMPLETE		78	3-701-007-00	BAND, BINDING	

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Note: Refer to the designated variant parts list when seeking a part indicated by an asterisk (*)
Parts indicated (XX) on the Schematic Diagram are not used in this model and
therefore do not appear in the Parts List.

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REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REWARK
* A-13	02-431-A A B	oard, Complete KV-32H	Q100B	C2011	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V	C2210	1-126-952-11	ELECT 1000UF	20.00% 35V	C5153	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
		oard, Complete KV-32H		C2013	1-126-964-11	ELECT 10UF	20.00% 50V	C2211	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C5154	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
* A-130	32-304-A A B	oard, Complete KV-32H	Q100K	C2014	1-126-964-11	ELECT 10UF	20.00% 50V	C2212	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C5300	1-126-947-11	ELECT 47UF	20.00% 35V
		pard, Complete KV-36H		C2015	1-126-947-11	ELECT 47UF	20.00% 35V	C2300	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V	C5303	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
		oard. Complete KV-36H oard. Complete KV-36H		C2016	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C2301	1-126-947-11	ELECT 47UF	20.00% 35V	C5304	1-115-416-11	CERAMIC CHIP 0.001UF	5.00% 25V
A Boar	rd, Common Pa	arte		C2017	1-126-947-11	ELECT 47UF	20.00% 35V	C2302	1-136-175-00	FILM 0.68UF	5.00% 50V	C5305	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V
	d, common i	arts		C2018	1-165-319-11	CERAMIC CHIP 0.1UP	50V	C2303	1-126-943-11	ELECT 2200UF	20.00% 25V	C5307	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
	4-202-373-01	SPRING, IC		C2019	1-164-004-11	CERAMIC CHIP 0.10F	10.00% 25V	C2304	1-164-739-11	CERAMIC CHIP 560PF	5.00% 50V	C5309	1-115-416-11	CERANIC CRIP 0.001UF	5.00% 25V
	4-206-065-01	SPACER INSULATING		C2020	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V	C2305	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V	C5312	1-115-416-11	CERAMIC CHIP 0.001UF	5.00% 25V
	4-382-854-01	SCREW (M3X8), P, SW (4	}	C2021	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C2306	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V	C5313	1-126-947-11	ELECT 47UF	20.00% 35V
	< CAP	ACITOR >		C2022	1-164-004-11	CERAMIC CHIP 0.1UP	10.00% 25V	C2307	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	C5315	1-126-947-11	ELECT 47UF	20.00% 35V
				C2023	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V	C2308	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C5316	1-107-826-11	CERAMIC CHIP 0.10F	10.00% 16V
C300	1-126-947-11	ELECT 47UF	20.00% 35V	C2024	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V	C2309	1-164-505-11	CERAMIC CHIP 2.2UF	16V	C5319	1-107-826-11	CERAMIC CHIP 0.10F	10.00% 16V
C301	1-107-826-11	CERAMIC CHIP 0.10F	10.00% 16V	C2025	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V	C2310	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C5322	1-129-718-00	FILM 0.022UF	5% 630V
C302	1-162-921-11	CERAMIC CHIP 33PF	5.00% 50V	C2026	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V	C2311	1-164-004-11	CERAMIC CHIP 0.10F	10.00% 25V	C5326	1-126-941-11	ELECT 470UF	20.00% 25V
C303	1-126-947-11	ELECT 47UF	20.00% 35V	1											
C304	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	C2027	1-162-927-11	CERAMIC CEIP 100PF	5.00% 50V	C2313	1-130-777-00	MYLAR 0.10F	5.00% 100V	C5327	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
				C2028	1-162-922-11	CERAMIC CHIP 39PF	5.00% 50V	C2314	1-111-216-91	ELECT 150UF	20.00% 63V	C5328	1-104-665-11	ELECT 100UF	20.00% 25V
C305	1-107-826-11	CERAMIC CHIP 0.10P	10.00% 16V	C2029	1-104-665-11	ELECT 100UF	20.00% 25V	C2315	1-164-222-91	CERAMIC CHIP 0.22UF	25V	C5331	1-137-194-81	FILM 0.47UF	5.00% 50V
C400	1-107-826-11	CERAMIC CHIP 0.10F	10.00% 16V	C2030	1-163-021-91	CERAMIC CHIP 0.01UP	10.00% 50V	C2316	1-126-961-11	ELECT 2.2UF	20.00% 50V	C5332	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C401	1-126-964-11	ELECT 100F	20.00% 50V	C2031	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V	C2317	1-126-944-11	ELECT 3300UP	20.00% 25V	C5334	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C1006	1-126-960-11	KLECT 1UF	20.00% 50V	1											
C1008	1-126-957-11	ELECT 0.22UF	20.00% 50V	C2032	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V	C2318	1-126-944-11	ELECT 3300UF	20.00% 25♥	C5335	1-126-947-11	ELECT 470F	20.00% 35V
				C2035	1-125-891-11	CERAMIC CHIP 0.470F	10.00% 10V	C2400	1-126-935-11	ELECT 470UF	20.00% 16V	C5400	1-163-017-00	CERAMIC CHIP 0.0047UP	10.00% 50V
C1012	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C2036	1-126-964-11	ELECT 100F	20.00% 50V	C2450	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V	C5401	1-126-940-11	ELECT 330UF	20.00% 25V
C1101	1-126-934-11	ELECT 220UF	20.00% 16V	C2037	1-126-947-11	ELECT 47UF	20.00% 35V	C2451	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V	C5402	1-102-228-00	CERAMIC 470PF	10.00% 500V
C1103	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	C2038	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C2453	1-165-908-11	CERAMIC CHIP 1UF	10% 10V	C5403	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 50V
C1105	1-104-665-11	ELECT 100UP	20.00% 25V	C2039	1 164 505 11										
C1106	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	C2040	1-164-505-11 1-126-947-11	CERAMIC CHIP 2.2UF ELECT 47UF	16V 20.00% 35V	C2454	1-165-908-11	CERAMIC CHIP 1UF	10% 10V	C5404	1-129-702-00	MYLAR 0.001UF	10.00% 400V
01107	1 1/2 2/2 1			C2040	1-126-947-11	ELECT 47UF		C2455	1-126-965-91	ELECT 22UF	20% 50V	C5405	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C1107 C1108	1-162-968-11 1-107-826-11	CERAMIC CHIP 0.0047UF CERAMIC CHIP 0.1UF	10.00% 50V	C2041	1-126-947-11	ELECT 47UF	20.00% 35V 20.00% 35V	C4100	1-162-974-11	CERAMIC CHIP 0.01UF	50V	C5406	1-126-968-11	ELECT 100UF	20.00% 50V
C1109	1-107-826-11	CERAMIC CHIP 0.10F	10.00% 16V 10.00% 16V	C2043	1-126-947-11	ELECT 470F	20.00% 35V 20.00% 35V	C4101 C4115	1-126-964-11 1-107-826-91	ELECT 10UF	20.00% 50V	C5407	1-137-401-11	MYLAR 0.22UF	5.00% 100V
C1200	1-162-970-11	CERAMIC CHIP 0.10F	10.00% 16V 10.00% 25V	4.013	1 120 347-11	EMECI 4705	20.00% 334		1-10/-826-91	CERAMIC CHIP 0.10F	10% 16V	C5408	1-106-220-00	MYLAR 0.1UF	10.00% 100V
C1201	1-126-934-11	ELECT 220UF	20.00% 25V	C2044	1-164-505-11	CERAMIC CHIP 2.2UF	16V	C4116	1-162-970-91	ATT ATT ATT A 120	101 050	25122			
*****	1 110 934-11	EMBCI 21008	20.004 104	C2045	1-164-505-11	CERAMIC CHIP 2.2UP	16V	C4119	1-107-826-91	CERAMIC CHIP 0.10F CERAMIC CHIP 0.10F	10% 25V 10% 16V	C5409 C5410	1-162-970-11	CERAMIC CHIP 0.01UP	10.00% 25V
C1203	1-162-968-11	CERAMIC CHIP 0.0047UF	10.00% 50V	C2046	1-164-505-11	CERAMIC CHIP 2.2UF	16V	C4119	1-107-826-91	CERAMIC CHIP 0.10F	10% 16V 10% 16V	C5410	1-126-968-11 1-130-785-11	ELECT 100UF	20.00% 50V
C1301	1-126-933-11	ELECT 100UF	20.00% 16V	C2047	1-165-908-11	CERAMIC CHIP 1UP	10% 10V	C4121	1-162-970-91	CERAMIC CRIP 0.10F	10% 16V 10% 25V	C5411	1-130-785-11	MYLAR 0.47UF ELECT 10UF	5.00% 100V
C1302	1-162-970-11	CERAMIC CHIP 0.010F	10.00% 25V	C2048	1-165-908-11	CERAMIC CHIP 10F	10% 10V	C4122	1-162-970-91	CERAMIC CHIP 0.10F	10% 25V	C5412	1-162-970-11	ELECT 10UF CERAMIC CHIP 0.01UF	20.00% 50V 10.00% 25V
C1418	1-126-916-11	ELECT 1000UF	20.00% 6.3V	1				04112	1-101-570-31	CERREIC CHIP V. 101	10% 234	63413	1-102-970-11	CERAMIC CRIP V. UIUF	10.006 234
C1602	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C2049	1-107-826-11	CERAMIC CRIP 0.1UF	10.00% 16V	C5000	1-126-964-11	ELECT 100F	20.00% 50V	C5600	1-126-947-11	ELECT 47UF	20.00% 35V
				C2050	1-125-891-11	CERAMIC CHIP 0.470F	10.00% 10V	C5001	1-126-964-11	ELECT 100F	20.00% 50V	C5601	1-127-715-91	CERAMIC CHIP 0.220F	20.00% 35V 10% 16V
C1603	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C2051	1-125-891-11	CERAMIC CHIP 0.47UP	10.00% 10V	C5002	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C5602	1-126-941-11	ELECT 4700F	20.00% 25V
C1604	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C2052	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V	C5002	1-126-964-11	ELECT 10UF	20.00% 50V	C5603	1-126-541-11	ELECT 1000F	20.00% 25V
C1606	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	C2053	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V	C5004	1-126-964-11	ELECT 10UF	20.00% 50V	C5604	1-104-665-11	ELECT 1000F	20.00% 25V
C1607	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	ı											20.000 230
C1609	1-126-964-11	ELECT 10UF	20.00% 50V	C2200	1-164-004-11	CERAMIC CHIP 0.10F	10.00% 25V	C5005	1-126-964-11	ELECT 100F	20.00% 50V	C5605	1-126-947-11	ELECT 47UF	20.00% 35V
				C2201	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C5006	1-107-826-11	CERAMIC CHIP 0.10F	10.00% 16V	C5800	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C2000	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V	C2202	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C5100	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C5802	1-126-964-11	ELECT 100F	20.00% 50V
C2001	1-126-947-11	ELECT 47UF	20.00% 35V	C2203	1-164-004-11	CERAMIC CHIP 0.1UP	10.00% 25V	C5101	1-126-947-11	ELECT 47UF	20.00% 35V	C5803	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
C2002	1-164-346-11	CERAMIC CHIP 1UF	16V	C2204	1-126-965-91	ELECT 22UF	20.00% 50V	C5102	1-136-497-81	FILM 0.10F	5.00% 50V	C5804	1-136-497-81	FILM 0.10F	5.00% 50V
C2003	1-162-968-11	CERAMIC CHIP 0.0047UF	10.00% 50V							*****					
C2004	1-164-346-11	CERAMIC CHIP 1UF	16V	C2205	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V	C5103	1-164-156-11	CERAMIC CHIP 0.1UF	25V	C5805	1-115-339-11	CERAMIC CHIP 0.10F	10.00% 50V
				C2206	1-126-965-91	ELECT 22UF	20.00% 50V	C5104	1-126-947-11	ELECT 47UF	20.00% 35V	C5806	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C2005	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V	C2207	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V	C5105	1-164-156-11	CERAMIC CHIP 0.1UF	257	C5807	1-104-665-11	ELECT 100UF	20.00% 25V
C2006	1-162-909-11	CERAMIC CHIP 4PF	0.25PF 50V	C2208	1-126-952-11	ELECT 1000UF	20.00% 35V	C5151	1-136-497-81	FILM 0.1UF	5.00% 50V	C5808	1-126-933-11	ELECT 100UF	20:00% 16V
C2009	1-162-909-11	CERAMIC CHIP 4PF	0.25PF 50V	C2209	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C5152	1-136-497-81	FILM 0.10F	5.00% 50V	C5809	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
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REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
C5810	1-126-963-11	ELECT 4.70F	20.00% 50V	C6248	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	CN1091	1-695-915-11	TAB (CONTACT)		D2301	8-719-914-44	DIODE DAP202K	
C5811	1-126-963-11	ELECT 4.70F	20.00% 50V	C7000	1-107-826-11	CERAMIC CHIP 0.10F	10.00% 16V	CN1091 CN1092	1-695-915-11	TAB (CONTACT)		D2302	8-719-914-44	DIODE DAP202K	
C5814	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V	C7001	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	CN1092	1-695-915-11	TAB (CONTACT)		D2303	8-719-914-43	DIODE DAN202K	
C5815	1-107-826-11	CERAMIC CRIP 0.10F	10.00% 16V	C7002	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	CN1094	1-695-915-11	TAB (CONTACT)		D2304	8-719-914-44	DIODE DAP202K	
C5816	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V	C7003	1-107-826-11	CERAMIC CRIP 0.10F	10.00% 16V	CN1601	* 1-816-124-11	PIN, CONNECTOR (FOR E	WR) 1RD	D2305	8-719-988-61	DIODE 1SS355TE	-17
******	/							CNIBUL	- 1-010-124-11	III, COMMECTOR (ION I					
C5817	1-126-947-11	ELECT 47UF	20.00% 35V	C7004	1-107-826-11	CERAMIC CEIP 0.1UF	10.00% 16V	CN1999	* 1-564-520-11	PLUG, CONNECTOR 5P		D2400	8-719-929-15	DIODE HZS9.1NB	?
C5819	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V	C7005	1-107-826-11	CERAMIC CHIP 0.10F	10.00% 16V	CN5001	* 1-564-511-11	PLUG. CONNECTOR SP		D2403	8-719-929-15	DIODE HZS9.1NB	?
C6200	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C7006	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V	CN5002	* 1-564-510-11	PLUG, COMMECTOR 7P		D4100	8-719-982-24	DIODE MTZJ-33A	
C6201	1-126-925-11	ELECT 470UF	20.00% 10V	C7007	1-126-947-11	ELECT 470F	20.00% 35V	CN5003	* 1-564-511-11	PLUG, CONNECTOR 8P		D5301	8-719-988-61	DIODE 188355TE	-17
C6202	1-126-925-11	ELECT 470UF	20.00% 10V	C7008	1-127-715-91	CERAMIC CHIP 0.22UP	10% 16V	CN5004	1-764-333-11	PIN, CONNECTOR (PCB) (V	/ TYPE) 10P	D5303	8-719-987-87	DIODE ERASS-00	•
				1											
C6205	1-137-375-11	MYLAR 0.068UF	5.00% 50V	C7010	1-127-715-91	CERAMIC CHIP 0.22UP	10% 16V	CN5005	* 1-564-509-11	PLUG, COMMECTOR 6P		D5304	8-719 -991-3 3	DIODE 155133T-	
C6206	1-137-375-11	MYLAR 0.068UF	5.00% 50V	C7011	1-126-963-11	ELECT 4.7UP	20.00% 50V	CN5006	* 1-564-515-11	PLUG, COMMECTOR 12P		D5305	8-719-052-90	DIODE DINLAG-T	
C6207	1-128-526-11	ELECT 100UF	20.00% 25V	C7012	1-104-665-11	ELECT 100UF	20.00% 25V	CN5007	* 1-564-506-61	PLUG, COMMECTOR 3P		D5307	8-719-081-97	DIODE MMDL914T	
C6209	1-126-916-11	ELECT 1000UF	20.00% 6.3V	C7013	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V	CN5008	* 1-564-510-11	PLUG, CONNECTOR 7P		D5308	8-719-081-97	DIODE MADL914T	l
C6210	1-126-916-11	ELECT 1000UF	20.00% 6.3V	C7014	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	CN5009	* 1-691-772-11	PLUG (MICRO CONNECTOR	R) 10P	D5400	8-719-110-49	DIODE RD18ESB2	
C6211	1 107 000 11	ELECT 470UF	00 000 6 70	C7015	1 107 006 11	AND 1475 ANT A 177	10 000 100							andan	
C6211	1-107-869-11 1-107-869-11	ELECT 4700F	20.00% 6.3V 20.00% 6.3V	C7015	1-107-826-11 1-107-826-11	CERAMIC CHIP 0.1UF CERAMIC CHIP 0.1UF	10.00% 16V 10.00% 16V	CN5012	1-695-915-11	TAB (CONTACT)		D5401	8-719-908-03	DIODE GP08D DIODE RD15ESB2	
C6212	1-164-004-11	CERANIC CHIP 0.10F	10.00% 6.3V	C7017	1-107-626-11	ELECT 100UF	20.00% 25V	CN5013	* 1-564-506-11	PLUG, COMMECTOR 3P		D5402	8-719-110-41 8-719-074-43	DIODE BAS316-1	16
C6214	1-126-964-11	ELECT 10UF	20.00% 50V	C7017	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V					D5403 D5404	8-719-074-43	DIODE BAS316-1	
C6215	1-107-906-11	ELECT 10UF	20.00% 50V	C7019	1-115-416-11	CERAMIC CHIP 0.220F	5.00% 25V		< SPL	LITTER >		D5800	8-719-074-43	DIODE 1PS184-1	
00210	1 10, 500 11	1001	20.000 500	0,025	1 110 110 11	CANALC CALL V. VOICE	3.000 231	ant 105	1-251-658-11	SPLITTER RF		מספכע	6-719-000-11	p1006 115104-1	
C6216	1-104-665-11	ELECT 100UF	20.00% 25V	C7020	1-162-968-11	CERAMIC CHIP 0.0047UF	10.00% 50V	CP1301	1-251-650-11	SPILLIER RE		D5801	8-719-069-60	DIODE UDISTE-1	79.1B
C6217	1-164-004-11	CERAMIC CHIP 0.10F	10.00% 25V	C7021	1-125-891-11	CERAMIC CHIP 0.47UF	10.00% 10V		< DIC	NOE >		D6200	8-719-500-70	DIODE D5S4M	
C6218	1-164-004-11	CERAMIC CHIP 0.10F	10.00% 25V	C7022	1-162-970-11	CERAMIC CHIP 0.010F	10.00% 25V		\ 520	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		D6201	8-719-500-70	DIODE DSS4M	
C6219	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C7023	1-126-947-11	ELECT 47UF	20.00% 35V	D300	8-719-083-60	DIODE UDZSTE-174.7B		D6202	8-719-063-70	DIODE DINL200	
C6220	1-104-665-11	ELECT 100UF	20.00% 25V	C7024	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V	D301	8-719-978-33	DIODE DTZ-TT11-6.8B		D6203	8-719-069-55	DIODE UDZSTE-1	75.6B
								D302	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V				
C6221	1-128-526-11	ELECT 100UF	20.00% 25V	C7025	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V	D303 .	8-719-914-43	DIODE DAN202K		D6204	8-719-063-70	DIODE DINL200	
C6222	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C7026	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V	D304	1-115-339-11	CERAMIC CHIP 0.10F	10.00% 50V	D6206	8-719-500-70	DIODE D5S4M	
C6223	1-164-004-11	CERAMIC CRIP 0.10F	10.00% 25V	C7027	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V					D6215	8-719-982-24	DIODE MTZJ-33A	ı
C6224	1-164-156-11	CERAMIC CHIP 0.1UF	25 V	C8002	1-107-826-11	CERAMIC CHIP 0.10F	10.00% 16V	D305	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V	D7000	8-719-066-11	DIODE 1PS184-1	15
C6225	1-164-156-11	CERAMIC CELP 0.1UF	25V	C8003	1-110-489-11	CAPACITOR 1F	5.5V	D306	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V	D7001	8-719-066-11	DIODE 1PS184-1	15
				1				D309	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V				
C6226	1-104-665-11	ELECT 1000F	20.00% 25V	C8004	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V	D310	1-115-339-11	CERAMIC CHIP 0.10F	10.00% 50V	D7002	8-719-083-60	DIODE UDESTE-1	
C6228	1-126-947-11	ELECT 470F	20.00% 35V	C8005	1-164-160-11	CERAMIC CHIP 20PF	5.00% 50V	D400	8-719-914-43	DIODE DAM202K		D7010	8-719-988-61	DIODE 188355TE	
C6229	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V									D7015	8-719-988-62	DIODE 188355TE	:-18
C6230 C6231	1-126-947-11	ELECT 47UF	20.00% 35V		< CER	AMIC TRAP >		D401	8-719-914-43	DIODE DAM202K		D8001	8-719-914-43	DIODE DAN202K	
C0231	1-126-916-11	ELECT 1000UF	20.00% 6.3V	CF2000	1-781-328-21	FD10 /FD11474		D1001	8-719-914-44	DIODE DAP202K					
C6232	1-107-906-11	ELECT 10UF	20.00% 50V	CF2000	1-101-320-21	TRAP, CERAMIC		D1002	8-719-069-55				< FEI	RITE BEAD >	
C6232	1-128-526-11	ELECT 100F	20.00% 35V		Z 0000	NECTOR >		D1003	8-719-914-43				766 00	77777 T T	OUE
C6234	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	1	COMP	narva VIII /		D1004	8-719-069-55	DIODE UDESTE-175.6B		FB1001 FB1002	1-414-766-22 1-414-766-22	FERRITE FERRITE	OUR
C6235	1-126-955-11	ELECT 470UF	20.00% 10V	CN1000	* 1-793-495-11	CONNECTOR, BOARD TO B	OARD SOP			27025 2220AA		FB1002	1-414-766-22	FERRITE	OUE
C6237	1-137-375-11	MYLAR 0.068UF	5.00% 50V	CW1001	* 1-793-495-11	CONNECTOR, BOARD TO B		D1005	8-719-914-44 8-719-069-55			FB1003	1-414-766-22	FERRITE	OUR
				CN1003	* 1-794-730-11	SOCKET, PC CONNECTOR		D1100	8-719-069-54			FB1005	1-414-766-22	FERRITE	OUE
C6238	1-126-916-11	ELECT 1000UF	20.00% 6.3V	CW1011	* 1-564-510-11	PLUG, CONNECTOR 7P	•	D1607	8-719-914-42			151003	1 121 100 22		
C6239	1-107-869-11	ELECT 470UF	20.00% 6.3V	CN1014	* 1-564-507-11	PLUG, CONNECTOR 4P		D2000	8-719-083-82			FB1006	1-414-766-22	FERRITE	OUE
C6240	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V					D2000	0-113-003-02	1011-120		FB1100	1-414-766-22	FERRITE	OUE
C6241	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	CN1016	* 1-564-514-11	PLUG, CONNECTOR 11P		D2001	8-719-083-82	DIODE UDZS-TE17-12B		FB1101	1-414-766-22		OUE
C6242	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	CN1021	* 1-564-507-11	PLUG, CONNECTOR 4P		D2002	8-719-083-82			FB1200	1-414-766-22		OUB
				CN1022	1-564-507-11	PLUG, CONNECTOR 4P		D2003	8-719-083-82			FB1201	1-414-766-22		CUE
C6243	1-107-826-11	CERAMIC CRIP 0.1UF	10.00% 16V	CN1061	* 1-564-516-11	PLUG, CONNECTOR 13P		D2004	8-719-110-09						
C6244	1-107-826-11	CERAMIC CRIP 0.10F	10.00% 16V	CN1062	* 1-564-508-11	PLUG, CONNECTOR 5P		D2200	8-719-083-60			FB1610	1-414-234-22	FERRI TE	OUE
C6245	1-107-826-11	CERAMIC CRIP 0.1UF	10.00% 16V	1								FB1611	1-414-234-22		OUE
C6246	1-164-156-11	CERAMIC CHIP 0.10F	25V	CN1063	* 1-564-511-11	PLUG, CONNECTOR 8P		D2201	8-719-988-61	DIODE 1SS355TE-17		FB1612	1-414-234-22		OUE
C6247	1-162-974-11	CERAMIC CHIP 0.01UF	50 v	CN1064	1-764-333-11	PIN, CONNECTOR (PCB) (V	TYPE)10P	D2300	8-719-914-43	DIODE DAN202K		FB1613	1-414-234-22	FERRITE	OUE

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EF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION		REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION		REW
1614	1-216-295-91	SHORT CHIP 0		IC7000	8-752-102-68	IC CXA2170Q				< TRAN	SISTOR >		Q7004	8-729-421-19	TRANSISTOR	UN2213	
2300	1-410-397-21	FERRITE 1.1UH		IC8001	8-759-478-44	IC PCF8593/T1	18						Q7005	8-729-010-05	TRANSISTOR	MSB709-RT	1
301	1-410-397-21	FERRITE 1.1UE		}					Q300	8-729-010-29	TRANSISTOR MSD601-	RST1					
800	1-414-766-22	FERRITE OUH			< SOCIO	er >			Q400	8-729-120-28	TRANSISTOR 2SC1623	-L5L6	i	< RES	ISTOR >		
000	1-216-295-91	SHORT CHIP 0						İ	Q1000	8-729-028-28	TRANSISTOR 25K2036	(TE85L)					
•••	1 210 230 31	. 00000 0000		J2451	1-784-632-11	JACK, PIN 2P			Q1001	8-729-120-28	TRANSISTOR 2SC1623		R301	1-216-864-11	SHORT CHIP	٥	
001	1-216-295-91	SHORT CHIP 0		1	2 /01 002 22	J. J. J. J. J. J. J. J. J. J. J. J. J. J			Q1002	8-729-026-49	TRANSISTOR 2SA1037		R302	1-216-809-11	METAL CHIP	100 5	5% 1/
002	1-216-295-91	SHORT CHIP 0			< COIL				Arver	0 /23 020 13	INDIDIDION CONTACT	AM 1210 K	R303	1-216-809-11	METAL CHIP		5% 1/
002	1-216-293-91	SHORT CHIP U		1	CO11	•			01003	1-801-806-11	TRANSISTOR DTC144E	71	R304	1-216-833-11	METAL CHIP		5% 1/
		<u>.</u>			4 44 4 44 44		40		Q1003 Q1004	8-729-120-28	TRANSISTOR DICIAGE		R305				
	< FILT	SR >		L1100	1-414-934-21	INDUCTOR	100H		-				R305	1-216-833-11	METAL CHIP	10 k 5	5% 1/
				L1101	1-412-979-21	INDUCTOR	1011		Q1005	8-729-120-28	TRANSISTOR 2SC1623						
001	1-233-736-21	FILTER, EMI		L1102	1-412-979-21	INDUCTOR	100		Q1006	8-729-028-28	TRANSISTOR 2SK2036		R307	1-216-809-11	METAL CHIP	100 5	
002	1-233-736-21	FILTER, ENI		L1200	1-414-934-21	INDUCTOR	100H	İ	Q1100	8-729-120-28	TRANSISTOR 2SC1623	-L5L6	R308	1-216-813-11	METAL CHIP	220 5	5% 1/
003	1-233-736-21	FILTER, EMI		L1201	1-412-979-21	INDUCTOR	10 e	İ					R309	1-216-864-11	SHORT CHIP	C	
401	1-233-736-21	FILTER, EMI		ł					Q1101	8-729-026-49	TRANSISTOR 2SA1037	AK-T146-R	R310	1-216-809-11	METAL CHIP	100 5	5% 1/
102	1-233-736-21	FILTER, EMI		L1202	1-412-979-21	INDUCTOR	10H		Q1102	8-729-120-28	TRANSISTOR 2SC1623	-L5L6	R311	1-216-838-11	METAL CHIP	27K 5	5% 1/
				L1301	1-414-856-11	INDUCTOR	10UH		Q1103	8-729-026-49	TRANSISTOR 2SA1037	AK-T146-R	ì				
103	1-233-736-21	FILTER, EMI		L1600	1-419-370-21	INDUCTOR	OUH		01104	1-801-806-11	TRANSISTOR DTC144E	ra.	R312	1-216-809-11	METAL CHIP	100 5	5% 1/
04	1-233-736-21	FILTER, EMI		11601	1-419-370-21	INDUCTOR	OUH		01200	8-729-120-28	TRANSISTOR 2SC1623		R313	1-216-829-11	METAL CHIP	4.7K 5	
00	1-233-736-21	FILTER, EMI		11602	1-419-370-21	INDUCTOR	OUE		_				R314	1-216-809-11	METAL CHIP		5% 1/
000	1-236-071-11	ENCAPSULATED COMPONE	NT.	21002	1 417 510 11	ZIDOCION	****		02002	8-729-120-28	TRANSISTOR 2SC1623	_1 E1 £	R315	1-216-809-11	METAL CHIP		5% 1/
001	1-236-071-11	ENCAPSULATED COMPONE	et .	L1603	1-419-370-21	INDUCTOR	OUH		02003	8-729-120-28	TRANSISTOR 2SC1623		R316				
				11604	1-419-370-21	INDUCTOR	OUH	,e	Q2003	8-729-120-28			1010	1-216-817-11	METAL CHIP	470 5	5% 1/
002	1-233-764-21	FILTER		1,2000		THOUCTOR			_		TRANSISTOR 2SC1623						
00	1-233-736-21	FILTER, ENG			1-414-934-21	200002011	10UE	÷	Q2200	8-729-120-28	TRANSISTOR 2SC1623		R317	1-216-809-11	METAL CHIP	100 5	
••	1-233-130-21	FILLIAN, DAL		12001	1-412-006-31	INDUCTOR	10UH		Q2300	8-729-026-49	TRANSISTOR 2SA1037	AK-T146-R	R319	1-216-809-11	METAL CHIP		51 1/
	< IC >			L2003	1-414-189-31	INDUCTOR	100UH						R320	1-216-809-11	METAL CHIP	100 5	5% 1/
	(10)								Q2301	8-729-120-28	TRANSISTOR 2SC1623	-L5L6	R321	1-216-825-11	METAL CHIP	2.2K 5	5% 1/
^	0 750 410 00	TO 00000000 E4		1.2300	1-416-857-11	INDUCTOR	65UE	•	Q2302	8-729-120-28	TRANSISTOR 2SC1623	-1516	R322	1-216-825-11	METAL CHIP	2.2K 5	5% 1/
0	8-752-412-99	IC CXD2088Q-T4		L2301	1-414-158-11	INDUCTOR	2.2UH		Q2303	8-729-120-28	TRANSISTOR 2SC1623	-1516	1				
0	8-752-072-94	IC CXA1875AM-T4		L2302	1-414-158-11	INDUCTOR	2.2UH		Q2400	8-729-120-28	TRANSISTOR 2SC1623	-L5L6	R323	1-216-825-11	METAL CHIP	2.2K 5	5% 1/
600	8-759-560-33	IC DS90LV031ATMX		L4100	1-414-934-21	INDUCTOR	10UE		Q2401	8-729-120-28	TRANSISTOR 2SC1623	-L5L6	R324	1-216-825-11	METAL CHIP	2.2K 5	
501	6-701-762-11	IC DS90LV018ATMX		1.5400	1-412-524-11	INDUCTOR	8.2UH		_				R325	1-216-825-11	METAL CHIP	2.2K 5	
602	8-759-698-08	IC SN74CBTLV1G125DCX	R						02402	8-729-027-38	TRANSISTOR DTA144E	ra-9146	R326	1-216-825-11	METAL CHIP	2.2K 5	
				1,5600	1-414-934-21	INDUCTOR	10UE		02406	8-729-120-28	TRANSISTOR 2SC1623		R328	1-216-809-11	METAL CHIP	100 5	
000	6-701-031-11	IC MSP3411G-QA-B11		15800	1-414-934-21	INDUCTOR	1008		02407	8-729-120-28	TRANSISTOR 2SC1623		1.526	1-210-009-11	MEIAL CEIF	100 2	34 11
001	8-759-701-36	IC NJM3403AM		L5802	1-414-934-21	INDUCTOR	100H	•	02408	8-729-120-28	TRANSISTOR 2SC1623		R400	1 017 000 11			
003	8-759-100-96	IC UPC4558G2		L6200	1-419-249-11	INDUCTOR	150H		02409				1	1-216-829-11	METAL CHIP	4.7K 5	,
200	8-759-333-24	IC IM1876TF		L6200					Q2409	8-729-120-28	TRANSISTOR 2SC1623	-17779	R401	1-216-809-11	METAL CHIP	100 5	
300	8-759-544-25	IC TDA7482		10201	1-412-525-31	INDUCTOR	100H						R402	1-216-809-11	METAL CHIP	100 5	,
									Q2410	8-729-120-28	TRANSISTOR 2SC1623		R403	1-216-833-11	METAL CHIP	10K 5	
000	8-759-567-08	IC MB88141APF-ER		L6202	1-412-525-31	INDUCTOR	10 0H		Q5301	8-729-010-05	TRANSISTOR MSB709-		R404	1-216-809-11	METAL CHIP	100 5	5% 1/
001	8-759-701-01	IC NJM2904M		L6203	1-419-249-11	INDUCTOR	150H		Q5304	8-729-140-93	TRANSISTOR 2SB733-	34	1				
00	8-759-822-38	IC 1A6510		L6204	1-419-249-11	INDUCTOR	150H		Q5305	8-729-052-29	TRANSISTOR 25K2876	-01MR-F122	R405	1-216-809-11	METAL CHIP	100 5	5% 1/
100	6-701-598-01	IC UPC5023CS-184		L6205	1-419-249-11	INDUCTOR	15UH		Q5308	8-729-010-05	TRANSISTOR MSB709-	RT1	R406	1-216-809-11	METAL CHIP	100 5	1/
302	8-759-803-42	IC LA6500-FA		L6206	1-412-525-31	INDUCTOR	1008						R407	1-216-809-11	METAL CHIP	100 5	1/
	0 137 003-42	10 MODAG-LV		1					Q5309	8-729-010-29	TRANSISTOR MSD601-	RST1	R408	1-216-864-11	SHORT CHIP	0	
400	8-759-696-71	IC STV9379A		L6207	1-419-249-11	INDUCTOR	150E		05310	8-729-010-29	TRANSISTOR MSD601-	RST1	R409	1-216-809-11	METAL CHIP	100 5	1/
500				L6208	1-419-249-11	INDUCTOR	15UE		05311	8-729-010-05	TRANSISTOR MSB709-		1				•1
	8-759-394-35	IC BA12T		L6209	1-412-525-31	INDUCTOR	10UH		05400	8-729-039-68	TRANSISTOR IRF620		R410	1-216-809-11	METAL CHIP	100 5	i 1/
501	8-759-929-65	IC IM7912CT		L7000	1-414-934-21	INDUCTOR	10UH		Q5800	8-729-010-29	TRANSISTOR MSD601-	oc#1	R411	1-216-833-11	METAL CHIP	10K 5	
03	8-759-445-59	IC BA033T		L7001	1-414-934-21	INDUCTOR	100H		52000	0 123 010-23	TURNOTOTON MODULE		1				
05	8-759-450-47	IC BA05T		2,001	1-114-334-61	INDUCTOR	1004		05001	0.720.010.05	MD1NGTORON LOONSON	Set 1	R413	1-216-841-11	METAL CHIP	47K 5	
				17002	1.414.034.04	INDUCTOR	1007		Q5801	8-729-010-05	TRANSISTOR MSB709-		R414	1-216-821-11	METAL CHIP		38 1/
11	8-759-640-19	IC PQ1CG2032FZ			1-414-934-21		1008		Q5802	8-729-010-29	TRANSISTOR MSD601-		R1010	1-216-864-11	SHORT CHIP	0	
12	8-759-640-19	IC PQ1CG2032FZ		L7003	1-414-934-21	INDUCTOR	100H		Q5804	8-729-010-05	TRANSISTOR MSB709-						
113	8-759-640-19	IC PQ1CG2032FZ							Q5805	8-729-010-29	TRANSISTOR MSD601-		R1011	1-216-864-11	SHORT CHIP	0	
215	8-759-450-47	IC BAOST		1	< PROT	ECTOR MODULE >			Q7000	8-729-010-05	TRANSISTOR MSB709-	RT1	R1012	1-216-864-11	SHORT CHIP	0	
216	8-759-574-78	IC KA278R05-YDTU											R1018	1-216-833-11	METAL CHIP	10K 5	ił 1/
				PS1001 A	1-801-549-21	IC LINK	4A MP250	the continue of the second of	Q7001	8-729-010-05	TRANSISTOR MSB709-	RT1	R1019	1-216-864-11	SHORT CHIP	0	-1
		** ****		PS1002 A	1-801-549-21	IC LINK	4A MP250		Q7002	8-729-010-05	TRANSISTOR MSB709-		R1020	1-216-826-11	METAL CHIP	•	i3 1/
5225	8-759-450-47	IC BA05T															

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PET 110	PART.NO	DECODIFFICH		DEHADA	DEENA	PART.NO	DESCRIPTION		REMARK		REF.NO.	PART.NO	DESCRIPTION		REMARK	REF.NO.	PART.NO	DESCRIPTION		REMARK	
REF.NO.		DESCRIPTION	0.00	REMARK	REF.NO.			0	DEMARK		R2062	1-216-845-91	RES CRIP	100K 5%	1/10W	R2454	1-216-821-11	METAL CHIP	1K 59	1/10W	
R1021	1-216-826-11	METAL CHIP		% 1/10W	R1424	1-216-864-11		-			R2063	1-216-833-11	METAL CEIP	10K 5%	1/10W	R2455	1-216-821-11	METAL CHIP	1K 59	1/10W	
R1026	1-216-864-11	SHORT CHIP			R1425	1-216-864-11		0			R2064	1-216-833-11	METAL CHIP	10K 5%	1/10W	R2457	1-216-841-11	METAL CHIP	47K 59	1/10₩	
R1029	1-216-864-11	SHORT CHIP			R1426	1-216-864-11	SHORT CHIP	0			R2065	1-216-864-11	SHORT CHIP	0	1/10"	R2460	1-216-845-11	METAL CHIP	100K 5	1/10W	
R1030	1-216-833-11	METAL CHIP		% 1/10W	R1427	1-216-864-11		0			R2066	1-216-864-11	SEORT CHIP	•		R2461	1-216-821-11	METAL CHIP	1K 54		
R1031	1-216-295-91	SHORT CHIP	0		R1428	1-216-864-11	SHORT CHIP	U			K2000	1-210-004-11	SHORT CHIL	•		12.00					
21000		100017 00TD	10- 5	a 1/10m	R1476	1-216-864-11	SHORT CHIP	0			R2069	1-216-864-11	SHORT CHIP	0		R2463	1-216-829-11	METAL CEIP	4.7K 5%	1/10W	
R1032	1-216-833-11	METAL CHIP		\$ 1/1UW	R1477	1-216-864-11		0			R2070	1-216-864-11	SHORT CHIP	0		R4113	1-216-813-11	METAL CHIP	220 51	1/10W	
R1033	1-216-295-91		0		R1603	1-216-864-11	SHORT CHIP	0			R2071	1-216-864-11		0		R5002	1-216-871-91	METAL CHIP	10K 5%	1/10W	
R1035	1-216-821-11	METAL CHIP		•	R1604			-		f.	R2072	1-216-864-11	SHORT CHIP	n		R5006	1-215-439-00	METAL	5.6K 19	1/4W	
R1036	1-216-833-11	METAL CHIP		£ 1\10M	R1605	1-216-864-11		0			R2073	1-216-864-11	SHORT CHIP			R5008	1-216-809-11	METAL CHIP	100 51	1/10W	
R1037	1-216-864-11	SHORT CHIP	V		K1003	1-216-864-11	SHORT CHIP	0			10075	1 110 000 11		•		1					
R1038	1-216-864-11	SHORT CHIP	0		R1606	1-216-864-11	SHORT CHIP	٨			R2200	1-249-422-11	CARBON	2.7K 5%	1/4W	R5010	1-216-809-11	METAL CHIP	100 58	1/10W	
R1040	1-216-821-11	METAL CHIP		s 1/109	R1607	1-216-809-11	METAL CHIP		1/10#		R2201	1-249-422-11	CARBON	2.7K 5%	1/4W	R5011	1-216-809-11	METAL CHIP	100 58	1/10W	
R1041	1-216-829-11	METAL CHIP			R1608	1-216-864-11		0	1,104		R2203	1-243-826-21	METAL OXIDE		111	R5013	1-216-809-11	METAL CHIP	100 51	1/10W	
R1044	1-218-867-11	METAL CHIP			R2000	1-216-837-11	METAL CHIP	•	1/1/19		R2204	1-216-828-11	METAL CHIP	3.9K 5%	1/10W	R5016	1-218-914-91	RES CHIP	620K 0.	5% 1/10W	
R1045	1-216-835-11	METAL CHIP		-	R2004	1-216-829-11	METAL CHIP				R2205	1-216-828-11	METAL CHIP		1/10W	R5017	1-216-809-11	METAL CHIP	100 59	1/10W	
KIV43	1-210-635-11	MEINE CHIP	131 3	# 1/10H	REUUT	1-210-029-11	REIAL COIF	1.7A J1	TITOM												
R1046	1-216-829-11	METAL CHIP	4.7K 59	1/10W	R2005	1-216-829-11	METAL CRIP	4.7K 5%	1/100		R2206	1-243-826-21	METAL OXIDE	4.7 5%	1W	R5018	1-216-809-11	METAL CRIP	100 51	1/10W	
R1047	1-216-821-11	METAL CHIP		•	R2006	1-216-829-11	METAL CHIP				R2207	1-216-837-11	METAL CHIP	22K 5%	1/10W	R5019	1-216-845-11	METAL CHIP	100K 59	1/10W	
R1048	1-216-829-11	METAL CRIP		-	R2007	1-249-401-11	CARBON	47 5%			R2208	1-216-819-11	METAL CRIP	680 5%	1/10W	R5020	1-216-833-11	METAL CHIP	10K 59	1/10W	
R1049	1-216-829-11	METAL CHIP		•	R2011	1-216-829-11	METAL CRIP				R2209	1-216-837-11	METAL CHIP	22K 5%	1/10W	R5100	1-218-888-11	METAL CHIP	51K 0	5% 1/10W	
R1102	1-216-833-11	METAL CHIP			R2012	1-216-809-11	METAL CHIP				R2210	1-216-819-11	METAL CHIP	680 5%	1/10W	R5101	1-218-853-11	METAL CHIP	1.8K 0.	5% 1/10W	
				,					-,												
R1103	1-216-809-11	METAL CRIP	100 59	1/10W	R2013	1-216-809-11	METAL CHIP	100 5%	1/10W		R2211	1-216-841-11	METAL CEIP	47K 5%	1/10W	R5102	1-218-867-11	METAL CHIP	6.8K 0.	5% 1/10W	
R1105	1-216-817-11	METAL CRIP		-	R2014	1-216-815-11	METAL CHIP				R2212	1-216-841-11	METAL CHIP	47K 5%	1/10W	R5103	1-216-818-11	METAL CHIP	560 5	1/10W	
R1106	1-216-834-11	METAL CHIP	12K 5	1/10W	R2016	1-216-821-11	METAL CRIP	1K 5%	1/10W		R2214	1-216-829-11	METAL CHIP	4.7K 5%	1/10W	R5104	1-249-381-11	CARBON	1 59	1/4W	
R1107	1-218-867-11	METAL CRIP	6.8K 0	5% 1/10W	R2017	1-218-867-11	METAL CHIP	6.8K 0.	5% 1/10W		R2215	1-216-841-11	METAL CHIP	47K 5%	1/10%	R5105	1-249-383-11	CARBON	1.5 59	1/4W	
R1108	1-216-809-11	METAL CRIP			R2018	1-218-867-11	METAL CHIP	6.8K 0.	5% 1/10W		R2216	1-216-841-11	METAL CHIP	47K 5%	1/10W	R5106	1-243-572-71	METAL OXIDE	470 51	2W	
										1											
R1109	1-216-817-11	METAL CHIP	470 5	1/10W	R2019	1-216-821-11	METAL CRIP	1K 5%	1/10#		R2300	1-216-817-11	METAL CHIP			R5107	1-249-395-11	CARBON	15 5		
R1110	1-216-817-11	METAL CHIP	470 5	1/10W	R2020	1-216-821-11	METAL CHIP	1K 54	1/10%		R2301	1-249-422-11	CARBON	2.7K 5%		R5151	1-243-693-71	METAL OXIDE			
R1111	1-216-797-11	METAL CHIP	10 5	1/10W	R2021	1-216-841-11	METAL CHIP	47K 5%	1/10W	İ	R2302	1-216-809-11	METAL CRIP	100 5%	1/10W	R5152	1-249-381-11	CARBON	1 5	-	
R1112	1-216-817-11	METAL CHIP	470 59	1/10W	R2022	1-216-841-11	METAL CHIP	47K 5%	1/10W		R2303	1-216-825-11	METAL CHIP	2.2K 5%		R5153	1-218-847-11			5% 1/10W	
R1113	1-216-818-11	METAL CEIP	560 51	1/10W	R2023	1-216-841-11	METAL CHIP	47K 5%	1/10W		R2304	1-216-825-11	METAL CEIP	2.2K 5%	1/10W	R5154	1-218-871-11	METAL CRIP	10K 0	54 1/10W	
R1117	1-216-839-91	RES CHIP	33K 5		R2024	1-216-847-11	METAL CHIP				R2305	1-216-841-11	METAL CHIP		1/10W	R5156	1-218-847-11	METAL CHIP		5% 1/10W	
R1118	1-216-817-11		470 5		R2025	1-216-841-11		47K 5%			R2306	1-216-864-11	SHORT CHIP			R5157	1-218-879-11	METAL CRIP		5% 1/10W	
R1119	1-216-839-91	RES CHIP	33K 5	1/10W	R2027	1-216-841-11		47K 5%			R2307	1-216-811-11	METAL CHIP			R5304	1-216-833-11	METAL CHIP		1/10%	
R1120	1-216-864-11		0		R2028	1-216-841-11	METAL CHIP		•		R2308	1-216-833-11	METAL CRIP		1/10W	R5307	1-216-825-11	METAL CHIP	2.2K 5		
R1121	1-218-875-11	METAL CHIP	15K 0	.5% 1/10W	R2030	1-216-841-11	METAL CHIP	47K 5%	1/10W		R2309	1-216-864-11	SHORT CHIP	0		R5308	1-218-879-11	METAL CHIP	22K U	.5% 1/10W	
											20215	1.016.044 **	MORES ARTS	17 0 5 0	1/10W	R5313	1-216-857-11	METAL CHIP	1M 5	1/10W	
R1122	1-216-864-11	SHORT CHIP			R2031	1-216-841-11		47K 5%			R2310	1-216-841-11	METAL CHIP	47K 5% 27K 5%		R5313	1-216-857-11	METAL CRIP	100 5		
R1123	1-216-817-11	METAL CEIP		8 1/10W	R2032	1-216-818-11		560 5%			R2311	1-216-838-11	METAL CHIP	27K 5% 8.2K 5%	-	R5314 R5320	1-216-809-11	METAL CRIP	10K 5		
R1124	1-216-864-11		0		R2033	1-218-867-11	METAL CHIP				R2312	1-216-832-11	METAL CHIP			R5320	1-218-879-11	METAL CHIP		.54 1/10W	
R1127	1-216-864-11	SHORT CHIP			R2034	1-216-828-11	METAL CHIP		1/10	Į.	R2314 R2315	1-216-841-11 1-216-833-11	METAL CHIP		•	R5324 R5325	1-218-847-11				
R1129	1-216-864-11	SHORT CHIP	U		R2037	1-216-295-91	SHORT CHIP	0			K2313	1-216-833-11	METAL CHIP	10A 36	1/10#	K3323	1-210-04/-11	HEIRE CELL	IK V	.51 1/100	
R1200	1-216-864-11	SHORT CHIP	0		R2041	1-216-295-91	SHORT CHIP	0			R2400	1-216-833-11	METAL CHIP	10K 5%	1/10W	R5326	1-216-829-11	METAL CHIP	4.7K 5	1/10%	
R1200	1-216-864-11	SHORT CHIP			R2041	1-216-295-91	SHORT CHIP	0			R2400	1-216-833-11	METAL CHIP	10K 5%	.,	R5328	1-218-879-11	METAL CHIP		.5% 1/10W	
R1201	1-216-864-11		0		R2043	1-216-295-91		4.7K 54	1/10W		R2401	1-216-833-11	METAL CHIP			R5329	1-218-879-11	METAL CHIP		.5% 1/10W	
R1202	1-216-804-11	METAL CHIP	•	% 1/10W	R2051 R2052	1-216-829-11		4.7K 5%			R2402	1-216-835-11	METAL CHIP			R5330	1-218-883-11	METAL CHIP		.5% 1/10W	
R1203 R1209	1-216-825-11	METAL CHIP		-	R2052	1-216-829-11	METAL CHIP	4./K 58			R2403	1-216-825-11	SHORT CHIP		T) TON	R5331	1-218-881-11	METAL CEIP		.5% 1/10W	
KIZUS	1-210-855-11	METAL CRIP	107 2	a T\TAM	RZU36	1-710-803-11	METAL CHIP	100 51	1/10#		174.44	1-210-233-31	SHORT CELL	٧		1.3331	1 220 002 11	0022			
R1211	1-216-864-11	SHORT CHIP	n		R2057	1-216-829-11	METAL CEIP	4 7F E	1/10W		R2405	1-216-821-11	METAL CHIP	1K 59	1/10W	R5333	1-218-871-11	METAL CHIP	10K 0	.5% 1/10W	
R1211	1-216-864-11	SHORT CHIP	B		R2057	1-216-845-91	RES CHIP	100K 59	-		R2450	1-216-825-11			1/10W	R5334	1-218-879-11			.5% 1/10W	
R1213	1-216-864-11		0		R2059	1-216-843-91	RES CHIP	100k 54			R2451	1-216-864-11	SHORT CHIP		-/ +vn	R5336	1-218-891-11			.5% 1/10W	
R1422	1-216-864-11		0		R2059	1-216-833-91		10K 59			R2452	1-216-864-11	SHORT CHIP			R5338	1-218-911-11			.5% 1/10W	
R1423	1-216-864-11	SHORT CHIP			R2060	1-216-829-11	METAL CELF				R2453	1-216-821-11			1/10W	R5340	1-218-891-11				
11447	1 519-004-11	SHOWL CHIP	٠		12001	1 210-049-11	ements (E.F.	T. 11. D1	. 1/1UM		142133		cult	• 51	-,					,	

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REF.NO.	PART.NO	DESCRIPTION			REMARK	REF.NO.	PART.NO	DESCRIPTION		1	REMARK
R5344	1-249-395-11	CARBON	15	51	1/4W	R5836	1-216-809-11	METAL CHIP	100	5%	1/10W
R5349	1-218-885-11	METAL CHIP	39K	0.5%		R5837	1-216-809-11	METAL CHIP	100	5€ 5€	1/10W
R5353	1-216-857-11	METAL CHIP	1M	5%	1/10W	R5838	1-216-809-11	METAL CHIP	100	5%	1/10W
R5354	1-216-864-11	SHORT CHIP	0	••	-,	R6200	1-216-829-11	METAL CHIP	4.7K		1/10W
R5358	1-216-353-00	METAL OXIDE	2.2	5%	111	R6201	1-216-829-11	METAL CHIP	4.7K		1/10W
				-					• • • • • • • • • • • • • • • • • • • •	••	-,
R5359	1-216-837-11	METAL CHIP	22K	5%	1/10W	R6202	1-218-855-11	METAL CHIP	2.2K	0.5%	1/10W
R5360	1-218-887-11	METAL CHIP	47K	0.5%	1/10W	R6203	1-218-839-11	METAL CHIP	470		1/10W
R5361	1-216-849-11	METAL CHIP	220K	5%	1/10W	R6204	1-218-847-11	METAL CHIP	18	0.5%	
R5364	1-260-296-11	CARBON	2.2	5%	1/2W	R6205	1-218-851-11	METAL CHIP	1.5K	0.5%	1/10W
R5365	1-216-849-11	METAL CHIP	220K	5%	1/10W	R6206	1-218-837-11	METAL CHIP	390	0.5%	1/10W
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R5367	1-216-837-11	METAL CHIP	22K	5%	1/10W	R6210	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5368	1-216-809-11	METAL CHIP	100	5%	1/10W	R6212	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R5369	1-216-809-11	METAL CHIP	100	51	1/10W	R6213	1-211-991-11	METAL CHIP	82	0.5%	1/10W
R5370	1-216-805-11	METAL CHIP	47	58	1/10W	R7000	1-216-809-11	METAL CHIP	100	5%	1/10W
R5400	1-218-864-91	RES CHIP	5.1K	0.5%	1/10W	R7001	1-216-809-11	METAL CHIP	100	5%	1/10W

R5401	1-218-859-91	RES CHIP		0.5%	1/10W	R7002	1-216-809-11	METAL CHIP	100	5%	1/10W
R5402	1-218-864-91	RES CHIP	5.1K		1/10W	R7003	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5403 R5404	1-218-859-91	RES CEIP	3.3K	0.5%	1/10W	R7004	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5405	1-249-383-11 1-249-389-11	CARBON CARBON	1.5	5%	1/4%	R7005	1-216-821-11	METAL CHIP	1K	5%	1/10W
NJ40J	1-249-309-11	CARDON	4.7	51	1/4₩	R7006	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5406	1-247-791-91	CARBON	22	5%	1/4W	R7007	1-216-821-11	METAL CHIP	18	5%	1/10W
R5407	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R7008	1-216-821-11	METAL CHIP	1.0	5%	1/10W
R5408	1-243-535-71	METAL OXIDE	220	5%	3W	R7009	1-216-833-11	METAL CHIP	10K	58	1/10W
R5409	1-214-798-21	METAL	1.8	11	1/2W	R7010	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5410	1-214-798-21	METAL	1.8	1%	1/2W	R7011	1-216-805-11	METAL CHIP	47	5%	1/10W
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R5802	1-216-829-11	METAL CRIP	4.7K	5%	1/10W	R7012	1-216-805-11	METAL CHIP	47	5%	1/10W
R5803	1-216-809-11	METAL CHIP	100	5%	1/10W	R7013	1-216-805-11	METAL CHIP	47	5%	1/10W
R5804	1-216-815-11	METAL CHIP	330	5%	1/10W	R7014	1-216-809-11	METAL CHIP	100	5%	1/10W
R5805	1-216-817-11	METAL CHIP	470	5%	1/10W	R7015	1-216-863-11	METAL CRIP	3.3M	5%	1/10W
R5806	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R7016	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5808 R5809	1-216-825-11	METAL CHIP		5%	1/10W	R7017	1-216-809-11	METAL CRIP	100	5%	1/10W
R5810	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R7018	1-216-834-11	METAL CHIP	12K	5%	1/10W
R5811	1-216-837-11	METAL CHIP	22K	5%	1/10W	R7019	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5812	1-216-821-11 1-216-833-11	METAL CHIP METAL CHIP	1K 10K	5% 5%	1/10W	R7021	1-216-809-11	METAL CHIP	100	5%	1/10W
KJULZ	1-210-033-11	MEIAL CHIP	TOR	21	1/10%	R7022	1-216-809-11	METAL CHIP	100	5%	1/10W
R5813	1-216-826-11	METAL CRIP	2.7K	5%	1/10W	R7024	1-216-809-11	METAL CHIP	100	5%	1/10W
R5814	1-216-809-11	METAL CHIP	100	5%	1/10W	R7025	1-216-809-11	METAL CHIP	100	5%	1/10W
R5815	1-216-809-11	METAL CHIP	100	5%	1/10W	R7027	1-216-809-11	METAL CHIP	100	5%	1/10W
R5816	1-216-864-11	SHORT CHIP	0			R7028	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R5817	1-216-864-11	SHORT CHIP	0			R7029	1-216-835-11	METAL CHIP	15K	5%	1/10W
R5819	1-216-818-11	METAL CHIP	560	5₹	1/10W	R7030	1-216-817-11	METAL CHIP	470	58	1/10W
R5820	1-216-833-11	METAL CHIP	10K	5%	1/10W	R7032	1-216-833-11	METAL CHIP	10 K	5%	1/10W
R5822	1-216-809-11	METAL CHIP	100	5≹	1/10W	R7034	1-216-864-11	SHORT CHIP	0		
R5823	1-216-809-11	METAL CHIP	100	5₹	1/10W	R7042	1-216-809-11	METAL CHIP	100	5%	1/10W
R5830	1-216-864-11	SHORT CHIP	0			R7057	1-216-864-11	SHORT CHIP	0		
25021											
R5831	1-216-829-11	METAL CHIP		5%	1/10W	R7060	1-216-864-11	SHORT CHIP	0		
R5832	1-218-271-11	METAL CHIP	2K	5%	1/10W	R7061	1-216-864-11	SHORT CHIP	0		
R5833	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R8001	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5834 R5835	1-216-809-11	METAL CHIP	100	5%	1/10W	R8008	1-216-864-11	SHORT CHIP	0		
CIBEA	1-216-809-11	METAL CHIP	100	5%	1/10W	R8009	1-216-864-11	SHORT CHIP	0		

REF.NO.	PART.NO	DESCRIPTION		REMARK		REF.NO.	PART.NO	DESCRIPTION		R	EMARK
R8011	1-216-864-11	SHORT CHIP	0			R1053	NOT FITTED				
						R1054	1-216-864-11	SHORT CHIP	0		
	< THEF	MISTOR >				R1056	NOT FITTED				
						R5000	1-218-887-11	METAL CHIP	47K	0.5%	1/10W
TH5400	1-800-193-00	THERMISTOR				R5001	1-216-841-11	METAL CHIP	47K	5%	1/10W
	< CRYS	TAL >				R5003	1-218-897-11	METAL CHIP	47K	0.5%	1/10W
						R5004	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
X300	1-579-126-11	VIBRATOR,	CERAMIC			R5005	1-218-819-11	METAL CHIP	22K	0.5%	1/10W
X2000	1-781-148-21	VIBRATOR,	CRYSTAL			R5007	HOT FITTED				
X7000	1-760-895-21	VIBRATOR,	CERAMIC			R5009	NOT FITTED				
X8001	1-760-105-11	VIBRATOR,	CRYSTAL								
A Boar	d Variants KV-	22HO100				R5012	BOT FITTED				
A Doar	u valiants KV-	5211G/100				R5014	BOT FITTED				
	/ CIN	CITOR >				R5015	1-218-883-11	METAL CEIP			1/10W
	CORP	LIIOR				R5310	1-218-887-11	METAL CHIP	47K		1/10W
C1009	NOT FITTED					R5311	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
C1010	NOT FITTED					R5350	1-218-866-11	METAL CHIP	6.2K	0.5%	1/10W
C1011	NOT FITTED					R5371	1-216-295-91	SHORT CHIP	0		
C1013	NOT FITTED					R5372	1-216-295-91	SHORT CHIP	ō		
C5320	1-100-143-21	PILM	0.0047UF	5%	630V	R5411	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
						R5413	1-216-833-11	METAL CRIP	10K		1/10W
C5322	NOT FITTED										•
C7030	NOT FITTED					R5414	1-216-845-11	METAL CHIP	100K	5%	1/10W
						R5415	1-216-841-11	METAL CHIP	47K	5%	1/10W
	< COND	ECTOR >				R5821	1-216-830-11	METAL CHIP	5.6K		1/10W
						R7043	NOT FITTED				
CN1017	NOT FITTED					R7044	BOT FITTED				
CN1018	NOT FITTED										
CN1019	NOT FITTED					R7045	NOT FITTED				
CN5010	NOT FITTED					R7046	NOT FITTED				
						R7047	NOT FITTED				
	< DIOD	E >				R7048	NOT FITTED				
						R7049	NOT FITTED				
D1009	HOT FITTED										
D1010	NOT FITTED					R7050	NOT FITTED				
D1011	NOT FITTED					R7052	NOT FITTED				
D7012	NOT FITTED					R7053	BOT FITTED				
						R7054	NOT FITTED				
	< COIL	>				R7055	NOT FITTED				
L5300	1-406-989-21	INDUCTOR	10ME			R7058	NOT FITTED				
L5301	1-406-989-21	INDUCTOR	10MH			R7059	NOT FITTED				
L5302	NOT FITTED					R7062	NOT FITTED				
						R7063	NOT FITTED				
	< TRAN	SISTOR >				R7065	NOT FITTED				
Q7006	NOT FITTED						< THER	WISTOR >			
Q7007	NOT FITTED										
Q7008	NOT FITTED					TH5000	NOT FITTED				
Q700 9	NOT FITTED										
Q7010	NOT FITTED					A Boar	d Variants KV-	36HQ100			
	< RESI	STOR >					< CAPA	ACITOR >			
R1050	NOT FITTED					C1009	1-162-923-11	CERAMIC CHIP	47PF		5.00% 50V
R1050 R1051	NOT FITTED					C1009 C1010	1-162-923-11 1-162-923-11	CERAMIC CHIP			5.00% 50V 5.00% 50V



	PART.NO	DESCRIPTION		REMARK		REF.NO.	PART.NO	DESCRIPTION		R	EMARK	
C1013	1-107-826-91	CERAMIC CHIP	0.1UF	10.00%	16V	R5372	NOT FITTED					
C5320	1-100-145-21	FILM	0.010F	5%	630V	R5411	1-216-826-11	METAL CHIP	2.7K	5%	1/10W	
5322	1-136-314-91	FILM	0.022UF	5%	630V	R5413	1-216-832-11	METAL CHIP	8.2K	5%	1/10W	
7030	1-107-826-11	CERAMIC CHIP	0.1UF	10.00%	16V	R5414	1-216-843-11	METAL CRIP	68K	5€	1/10W	
						R5415	1-216-838-11	METAL CHIP	27K	5₹	1/10W	
	₹ CON	ECTOR >				R5821	1-216-833-11	METAL CHIP	10K	5%	1/10%	
N1017	* 1-564-507-11	PLUG, COMMECT	OR 4P			R7043	1-216-825-11	METAL CRIP	2.2K	5%	1/10W	
N1018	* 1-564-507-11	PLUG. CONNECT				R7044	1-216-825-11	METAL CEIP	2.2K		1/10W	
N1019	1-784-009-11	CONNECTOR, US				R7045	1-216-825-11	METAL CHIP	2.2K		1/10W	
N5010	1-564-506-71	PLUG, CONNECT	• •			R7046	1-216-833-11	METAL CHIP	10K	5%	1/10W	
	< DIO	F \				R7047	1 016 022 13	10011 0011	10-		1 (10=	
	< D104	1 ×				1	1-216-833-11	METAL CHIP	10K 10K	5%	1/10#	
1009	8-719-914-43	DIODE DAM202K	,			R7048	1-216-833-11	METAL CHIP		5ŧ	1/10W	
1010	8-719-914-44	DIODE DAR202E				R7049	1-218-871-11	METAL CRIP	10K		1/109	
1011	8-719-069-55	DIODE UDISTE-				R7050	1-218-863-11	METAL CEIP				
7012	8-719-988-61	DIODE 1SS355T				R7052	1-218-863-11	METAL CHIP	4.7K	0.5%	1/10W	
						R7053	1-216-825-11	METAL CHIP	2.2K		1/10W	
	< COII	· >				R7054	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
						R7055	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
.5300	1-406-988-21	INDUCTOR	6.8ME			R7058	1-218-855-11	RES CHIP	2.2K	0.5%	1/10W	
5301 5302	1-406-987-21 1-406-674-11	INDUCTOR INDUCTOR	4.7ME 3.3MB			R7059	1-218-847-91	RES CHIP	1K	0.5%	1/10W	
,502	1-400-074-11	INDUCTOR	, J. JAM			R7062	1-216-833-11	METAL CHIP	10K	5%	1/10%	
	< TRAN	SISTOR >				R7063	1-216-817-11	METAL CHIP	470	5%	1/10W	
						R7065	1-216-845-11	METAL CHIP	100K		1/10W	
7006	8-729-010-05	TRANSISTOR MS										
7007	8-729-010-05	TRANSISTOR MS					< THE	RMISTOR >				
7008	8-729-010-05	TRANSISTOR MS										
7009	8-729-010-29	TRANSISTOR MS		_		TR5000	1-778-293-11	THERMISTOR				
7010	8-729-010-29	TRANSISTOR MS	D601-RST	l		A Boa	rd Variants 32/3	SEHO100B				
	< RESI	STOR >				A DUA	iu variains 52/5	0011011000				
1050	1-216-835-11	METAL CHIP	15K 5	1/10W		ļ	< TUNE	ir >				
1051	1-216-835-11	METAL CHIP	15K 5	-,		TU1100	8-598-536-20	PRONTEND BTF	mm440			
1052	1-216-803-11	METAL CHIP	33 5	,		TU1200	8-598-536-20	FRONTEND BTF				
1053	1-216-803-11	METAL CHIP	33 5			101200	8-398-336-20	PROMITMED BIT	-EF41Z			
1054	HOT FITTED	MEIAL CRIP	33 3	1/10M		A Boar	rd Variants 32/3	36 HQ 100E & 3	2/36H	Q100	K	
1056	1-216-864-11	SHORT CHIP	0				< TONE	20 5				
1056 5000	1-216-864-11	METAL CRIP	-	.5% 1/10W			- TURE	- ·				
5000 5001	1-216-843-11	METAL CHIP	68% 5			TU1100	8-598-534-20	FRONTEND BTE	_20410			
5003		METAL CRIP		-,		TU1200	8-598-534-20	FRONTEND BTS				
5004	1-218-879-11 1-218-869-11	METAL CHIP		.5% 1/10W .5% 1/10W		101200	8-336-334-20	INCREESED BIE	-80412			
				•		* A-140	05-502-A C2 B	oard, Comple	te			
5005 5007	1-216-835-11 1-218-913-91	METAL CHIP METAL CHIP	15K 5	1/10 .5% 1/10W			4-382-854-11	SCREW (M3X10	1. P. S	W (+)		
5009	1-218-903-11	METAL CHIP		.5% 1/10W .5% 1/10W				,	., -, -	(17		
5012	1-216-809-11	METAL CHIP	100 5				< CID	ACITOR >				
	1-216-809-11	METAL CRIP	100 5	-, -,			, with					
5014	1-510-803-11	METAL CHIP	700 2	t 1/10W		C7301	1-128-527-11	ELECT	330UF		20.00%	25V
5015	1 01/ 01/ 1	METAL CHIP	100 5	₹ 1/10₩		C7302	1-126-527-11	ELECT	220UF		20.00%	
	1-216-845-11 *{\\\^{\\\}\\^\\\\\\\\\\\\\\\\\\\\\\\\\			-,		C7303	1-162-920-11	CERAMIC CHIE			5.00%	
		METAL CHIP		.5% 1/10W		C7304	1-164-004-11	CERAMIC CHI			10.00%	
		METAL CHIP	15K 0	.5% 1/10W		L/304	1-104-004-11	CERAMIC CHIL	U.1UE		TA.00#	∠J¥
5311	1-218-875-11					CTORE	1_104 (55 11	DI DOM	22000		20.000	1.00
5310 85311 85350 85371	1-218-867-11 1-218-867-11 NOT FITTED	METAL CEIP		.5% 1/10W		C7305	1-104-653-11	ELECT	220UF		20.00%	16V

Note: The components identified by shading and marked ∆ are critical for safety. Replace only with the part numbers specified in the parts list.

EF.NO.	PART.NO	DESCRIPTION		REMARK		REF.NO.	PART.NO	DESCRIPTIO	N		R	MARK
7307	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V			< TRANSISTOR >				
7308	1-102-129-00	CERAMIC	0.01UF	10.00%	50 V							
309	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V	Q7301	8-729-21			SA1162-0		
310	1-107-961-91	ELECT	10UF	20.00%	250 V	Q7302	8-729-21			SA1162-0		
311	1-164-004-11	CERAMIC CHIP	0.10F	10.00%	25 V	Q7303	8-729-21			SA1162-0		
						Q730 4	8-729-21			SA1162-0		
312	1-102-129-00	CERAMIC	0.01UF	10.00%	50V	Q7305	8-729-14	1-73 TRANSIS	TOR 2	SC3624A	T1L15	L16
313	1-164-004-11	CERAMIC CRIP	0.1UF	10.00%	25V							
314	1-107-961-91	ELECT	10UF	20.00%	250V	Q7306	8-729-14	1-73 TRANSIS	TOR 2	SC3624A	T1L15	L16
315	1-161-830-00	CERAMIC	0.0047UF		500V	Q7307	8-729-14	1-73 TRANSIS	TOR 2	2SC3624A-	-T1L15	L16
316	1-162-920-11	CERAMIC CHIP	27PF	5.00%	50V	-						
								< RESISTOR >				
317	1-161-830-00	CERAMIC	0.0047UF		500V	1						
318	1-102-129-00	CERAMIC	0.01UF	10.00%	50V	JR7327	1-216-29	5-91 SHORT (HIP	0		
319	1-107-961-91	ELECT	100F	20.00%								
320	1-164-004-11	CERAMIC CHIP		10.00%		R7302	1-216-02	5-11 RES-CEI	P	100	5%	1/10W
321	1-164-004-11	CERAMIC CHIP		10.00%		R7303	1-216-02			100	5%	1/10W
***	11			_2		R7304	1-216-02			100	5%	1/10%
323	1-161-830-00	CERAMIC	0.0047UF		500V	R7305	1-216-82			1K	5%	1/10W
325 326	1-115-350-51	CERAMIC	0.00470F		2KV	R7308	1-216-82			1K	51	1/10%
327	1-113-330-31	ELECT	2207	20.00%					-			•
321 328	1-107-862-11	CERAMIC	0.0047UF	_0.000	2KV	R7309	1-216-82	1-11 METAL (HIP	18	51	1/10W
328 329	1-113-330-31	CERAMIC	680PF	10.00%		R7310	1-216-83			10K	5%	1/10W
329	1-102-110-00	CEMMIC	11000	10.000	244	R7311	1-216-81			180	5%	1/10W
220	1 160 005 11	CERAMIC CHIP	CODE	5.00%	50V	R7312	1-215-42			2K	1%	1/4W
330	1-162-925-11 1-162-925-11	CERAMIC CHIP		5.00%		R7313	1-218-85		פואי			1/10W
331		CERAMIC CHIP		5.00%		K1313	1 210 0-			2.01		-,
332	1-162-925-11	CENAMIC CRIP	DOTE	3.00%	304	R7314	1-216-86	4-11 SHORT	פושי	0		
						R7315	1-215-43		,DIE	3.9K	19	1/4W
	< COMM	ector >					1-216-81		-87B	180	5%	1/10¥
						R7316						1/10W
17301	* 1-564-511-11	PLUG, CONNEC		la de	. A - 9 - 815 -	R7317	1-218-85			100	58	1/10W
	SERBEITE	Elette Zet				R7318	1-216-02	:5-11 KE3-CH	LF	100	л.	1/10#
17304	1-695-915-11	TAB (CONTACT	•				1 216 0	18-11 METAL (OT TO	180K	54	1/10W
7305	* 1-564-508-11	PLUG, CONNEC				R7319	1-216-84 1-216-84			180K	5%	1/10#
7307	1-695-915-11	TAB (CONTACT	")			R7320				27K	5¥	1/10W
						R7322	1-216-83			100	5¥	1/10W
	< DIOE	E>				R7323	1-216-02			10K	5%	1/10W
						R7324	1-216-83	O. II METHE	MIL	AVA	٠.	71 TAM
304	8-719-988-61	DIODE 18835				R7325	1-216-8	12-11 METAL	פדאי	180	51	1/10W
1307	8-719-051-85	DIODE BSS831				R7325	1-216-8			180K		1/10W
7308	8-719-051-85	DIODE ESS83					1-216-8			180K	5%	1/10W
7310	8-719-051-85	DIODE HSS83				R7327				1.5K	0.5%	
7311	8-719-110-17	DIODE RD10ES	3B2			R7328	1-218-8				51	3W
						R7329	1-243-6	ca-11 METAL	OVIDE	, JJR	J4	J#
7312	8-719-908-03	DIODE GPOSD				R7330	1-216-8	38-11 METAL	מדעה	27K	5%	1/10W
										27K	5%	1/10W
	< IC :	•				R7331	1-216-8				5ŧ	1/10W
						R7332	1-243-6		OYTHE			3W 1/2W
27301	8-759-680-01	IC TDA6120Q	/N2/S1			R7333	1-219-7		7 D	220	51	•
27302	8-759-680-01	IC TDA61200				R7335	1-216-0	25-11 RES-CE	ΠP	100	51	1/10W
7303	8-759-680-01	IC TDA6120Q				1						. /
						R7337	1-216-8			180K		1/10W
	< 001	r. >				R7338	1-216-8		CHIP	180K		1/10W
						R7340	1-219-7			220	5%	1/2W
7301	1-408-592-11	INDUCTOR	1.208			R7341	1-216-8			27K	51	1/10W
7301	1-408-399-00	INDUCTOR	1.5UH			R7342	1-216-8	33-11 METAL	CHIP	10K	51	1/10W
JUZ		INDUCTOR	1.208									
7202							1 212 6	24-71 METAL	AVTE	E 33K		200
L7303 L7304	1-408-592-11 1-406-666-21	INDUCTOR	150UH			R7344 R7345	1-243-6 1-219-7		OYID	220	5% 5%	3W 1/2W

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REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART,NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REVARK
R7348	1-202-847-00	SOLID 560K	20% 1/2W	C2650	1-162-968-11	CERAMIC CHIP 0.0047UF	10.00% 50V	C3331	1-164-346-11	CERAMIC CHIP 1UF	16V	C3678	1-162-964-11	CERAMIC CHIP 0.001UF	11.00% 50V
R7350	1-219-743-11	METAL 100	•	C2651	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	C3332	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C3679	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V
R7351	1-219-743-11		5% 1/2W	C2652	1-126-947-11	ELECT 47UF	20.00% 35V	C3333	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C9106	1-126-947-11	ELECT 470F	20.00% 35V
R7353	1-535-303-00	LEAD, JUMPER (5.0MM)	36 1/2W	C2653	1-126-947-11	CERAMIC CHIP 1UF	20.004 35V 16V	C3334	1-126-964-11	ELECT 10UF	20.00% 50V	0,,,,,	1 110 747 11	1100C1 4701	20.000 337
R7354	1-535-303-00	LEAD, JUMPER (5.0MA)		C2654	1-162-968-11	CERAMIC CHIP 10F	10.00% 50V	C3335	1-126-947-11	ELECT 47UF	20.00% 35V	Ì	< COND	TECTOR >	
K/334	1-222-203-00	· LEAD, UNER (3.0MM)		C2034	1-107-300-11	CERAMIC CHIP U.UU4/UF	10.006 504	W	1 110 34, 11	Ellect 4/01	20.000 331		Com	IDCTOR >	
R7355	1-535-303-00	LEAD, JUMPER (5.0MM)		C2655	1-126-947-11	ELECT 47UF	20.00% 35V	C3336	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	CN1001	* 1-793-498-11	CONNECTOR, BOARD TO BO	ARD 50P
R7357	1-535-303-00	LEAD, JUMPER (5.0MM)		C2656	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	C3337	1-165-908-11	CERAMIC CHIP 1UP	10% 10V	CN3601	* 1-816-666-11	CONNECTOR, RGB 21P	
R7358	1-535-303-00	LEAD, JUNPER (5.00M)		C2657	1-164-346-11	CERAMIC CHIP 1UF	16V	C3338	1-164-346-11	CERANIC CEIP 1UF	16V	CN3602	* 1-816-666-11	CONNECTOR, RGB 21P	
R7359	1-535-303-00	LEAD, JUMPER (5.0MM)		C2675	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	C3339	1-164-346-11	CERAMIC CHIP 1UF	16V				
R7360	1-535-143-31	LEAD, JUMPER (15.0MM	n	C2676	1-164-346-11	CERAMIC CHIP 10F	16V	C3342	1-104-665-11	ELECT 100UF	20.00% 25V		< DIO	NR >	
			•	2070	1-104-340-11	CHARACT CHIE IOF	101	00012	* *** *** ***	2001	20.000 257			,	
R7362	1-535-143-31	LEAD, JUMPER (15.0MM	1)	C2677	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	C3343	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	D2300	8-719-083-57	DIODE UDES-TE173.6B	
R7363	1-216-295-91	SHORT CHIP 0		C2678	1-164-346-11	CERAMIC CRIP 10F	16V	C3400	1-126-947-11	ELECT 47UF	20.00% 35V	D2600	8-719-083-82	DIODE UDES-TE17-12B	
R7364	1-216-839-11	METAL CHIP 33K	5% 1/10W	C2700	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	C3401	1-107-826-11	CERAMIC CHIP 0.10F	10.00% 16V	D2602	8-719-083-82	DIODE UDZS-TE17-12B	
R7365	1-216-839-11	METAL CHIP 33K	5% 1/10W	C2701	1-164-346-11	CERANIC CHIP 1007	167	C3402	1-126-947-11	ELECT 470F	20.00% 35V	D2626	8-719-083-82	DIODE UDIS-TE17-12B	
R7366	1-216-839-11	METAL CHIP 33K	5% 1/10W	C2702	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	C3403	1-107-826-11	CERAMIC CHIP 0.10F	10.00% 16V	D2628	8-719-083-82	DIODE UDES-TE17-12B	
				42,02	1-102-927-11	CERAMIC CHIF IVVE	3.004 304	20102	1 10, 020 11	CHARLE CHIL 4.101	10.000 100	22020	0 /15 005 02	51001 0020 1217 115	
R7367	1-249-377-11	CARBON 0.47	•	C2703	1-164-346-11	CERAMIC CHIP 10F	16V	C3406	1-126-964-11	ELECT 10UF	20.00% 50V	D2650	8-719-083-82	DIODE UDES-TE17-12B	
R7368	1-249-377-11	CARBON 0.47	5% 1/4W	C2705	1-162-970-11	CERAMIC CHIP 0.010F	10.00% 25V	C3407	1-126-964-11	ELECT 10UF	20.00% 50V	D2651	8-719-083-82	DIODE UDZS-TE17-12B	
R7369	1-260-328-11	CARBON 1K	5% 1/2W	C2706	1-104-665-11	ELECT 100UF	20.00% 25V	C3408	1-107-826-11	CERAMIC CHIP 0.10F	10.00% 16V	D2652	8-719-083-82	DIODE UDZS-TE17-12B	
				C2707	1-104-665-11	ELECT 100UF	20.00% 25V	C3410	1-126-941-11	ELECT 470UF	20.00% 25V	D2653	8-719-083-82	DIODE UDES-TE17-12B	
	< RESIS	TOR VARIABLE >		C3100	1-127-715-91	CERAMIC CHIP 0.220F	10% 16V	C3411	1-164-156-11	CERAMIC CHIP 0.10F	25V	D2675	8-719-083-82	DIODE UD25-TE17-12B	
				6100	1-12/-115-91	Charic Carr V.2202	104 104	63411	1-104-130-11	CERNALC CHIF V.10F	231	02073	0-713-003-02	DIODE 0043-1817-125	
RV7301	1-241-714-11	RES, ADJ, METAL FILM	110M	C3101	1-104-665-11	ELECT 100UF	20.00% 25V	C3412	1-126-968-11	ELECT 100UF	20.00% 50V	D2676	8-719-083-82	DIODE UDES-TE17-12B	
				C3102	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V	C3413	1-164-346-11	CERAMIC CHIP 1UF	16V	D2700	8-719-083-82	DIODE UDES-TE17-12B	
	< SPARE	GAP >		C3103	1-104-665-11	ELECT 100UF	20.00% 25V	C3414	1-164-346-11	CERAMIC CHIP 1UF	16V	D2701	8-719-083-82	DIODE UDES-TE17-12B	
				C3105	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V	C3415	1-164-346-11	CERANIC CHIP 1UF	16V	D3600	8-719-083-82	DIODE UDZS-TE17-12B	
SG7301	1-519-421-11	GAP, DISCHARGE		C3106	1-104-665-11	ELECT 100UF	20.00% 25V	C3416	1-164-346-11	CERAMIC CHIP 1UF	16V	D3601	8-719-083-82	DIODE UDZS-TE17-12B	
* A 140	5-503-A J4 Bo	ard Complete													
A-140	3-303-A 34 BO	ard, complete		C3107	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V	C3417	1-164-346-11	CERAMIC CHIP 1UF	16V	D3602	8-719-083-82	DIODE UDZS-TE17-12B	
	< CAPAC	TEAD \		C3108	1-104-665-11	ELECT 100UF	20.00% 25V	C3418	1-164-346-11	CERAMIC CHIP 1UF	16V	D3603	8-719-083-82	DIODE UDZS-TE17-12B	
	< CAPAL	LITUR >		C3110	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V	C3419	1-104-665-11	ELECT 100UF	20.00% 25V	D3604	8-719-083-82	DIODE UDIS-TE17-12B	
00700	1 102 717 11	WT 71000 AARTS	00 000 500	C3111	1-104-665-11	ELECT 100UF	20.00% 25V	C3420	1-104-665-11	ELECT 100UF	20.00% 25V	D3605	8-719-083-82	DIODE UDZS-TE17-12B	
C2300	1-107-715-11	ELECT 22UF	20.00% 50V	C3300	1-126-947-11	ELECT 47UF	20.00% 35V	C3421	1-104-665-11	ELECT 100UF	20.00% 25V	D3606	8-719-083-82	DIODE UDES-TE17-12B	
C2303	1-104-665-11	ELECT 100UF	20.00% 25V								***********			***************************************	
C2304	1-104-665-11	ELECT 100UF	20.00% 25V	C3301	1-162-970-11	CERAMIC CRIP 0.01UF	10.00% 25V	C3450	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	D3625	8-719-083-82	DIODE UDZS-TE17-12B	
C2305	1-126-941-11	ELECT 470UF	20.00% 25V	C3302	1-107-826-11	CERAMIC CHIP 0.10F	10.00% 16V	C3451	1-126-933-11	ELECT 100UF	20.00% 16V	D3626	8-719-083-82	DIODE UDZS-TE17-12B	
C2306	1-104-665-11	ELECT 100UF	20.00% 25V	C3304	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C3500	1-126-947-11	ELECT 470F	20.00% 35V	D3627	8-719-083-82	DIODE UDZS-TE17-12B	
				C3305	1-164-346-11	CERAMIC CRIP 10F	167	C3501	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	D3628	8-719-083-82	DIODE UDES-TE17-12B	
C2307	1-104-665-11	ELECT 100UF	20.00% 25V	C3310	1-104-665-11	ELECT 100UF	20.00% 25V	C3502	1-165-176-11	CERAMIC CHIP 0.0470F	10.00% 16V	D3629	8-719-083-82	DIODE UDIS-TE17-12B	
C2308	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	65514	- 104 003 11		-4.444 631	3000	- 100 1/0 11	CHARLE OHIE A'04105	10.004 104	03023	9-113-003-02	PTONE ONES-1911-152	
C2309	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C3313	1-165-908-11	CERAMIC CHIP 1UF	10% 10V	C3503	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V	D3630	8-719-083-82	DIADD HOSE SEAT 100	
C2600	1-162-968-11	CERAMIC CHIP 0.00470	F 10.00% 50V	C3314	1-105-908-11	CERAMIC CRIP 10F	10% 10V 10.00% 16V	C3504	1-165-176-11	CERAMIC CHIP 0.0470F	10.00% 16V	D3630 D3631		DIODE UDZS-TE17-12B	
C2601	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	C3314 C3315			10.00% 16V 20.00% 50V	C3504 C3505					8-719-083-82	DIODE UDZS-TE17-12B	
				1	1-126-964-11	ELECT 10UF		C3505 C3506	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V	D3650	8-719-083-82	DIODE UDZS-TE17-12B	
C2602	1-164-346-11	CERAMIC CHIP 1UF	16V	C3317	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V		1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V	D3651	8-719-083-82	DIODE UDES-TE17-12B	
C2603	1-162-968-11	CERAMIC CHIP 0.00470	F 10.00% 50V	C3318	1-165-908-11	CERAMIC CHIP 1UF	10% 10V	C3507	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V	D3652	8-719-083-82	DIODE UDZS-TE17-12B	
C2604	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V]			
C2605	1-164-346-11	CERAMIC CHIP 1UF	16V	C3319	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C3600	1-104-665-11	ELECT 100UF	20.00% 25V	D3653	8-719-083-82	DIODE UDZS-TE17-12B	
C2625	1-162-968-11	CERAMIC CHIP 0.0047U	F 10.00% 50V	C3320	1-165-908-11	CERAMIC CHIP 1UF	10% 10V	C3601	1-127-715-91	CERAMIC CHIP 0.220F	10% 16V	D3654	8-719-083-82	DIODE UDZS-TE17-12B	
				C3321	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	C3616	1-165-908-11	CERAMIC CHIP 1UF	10% 10V	D3675	8-719-083-82	DIODE UDZS-TE17-12B	
C2626	1-126-947-11	ELECT 47UF	20.00% 35V	C3322	1-162-915-11	CERAMIC CHIP 10PF	0.50PF 50V	C3631	1-165-908-11	CERAMIC CHIP 1UF	10% 10V	D3676	8-719-083-82	DIODE UDES-TE17-12B	
C2627	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	C3323	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	C3650	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	D3677	8-719-083-82	DIODE UDZS-TE17-12B	
C2628	1-164-346-11	CERAMIC CHIP TUF	16V	1											
C2629	1-162-968-11	CERAMIC CHIP 0.0047U		C3324	1-162-915-11	CERAMIC CHIP 10PF	0.50PF 50V	C3653	1-126-964-11	ELECT 10UF	20.00% 50V	D3700	8-719-083-82	DIODE UDZS-TE17-12B	
C2630	1-126-947-11	ELECT 47UF	20.00% 35V	C3325	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	C3654	1-126-964-11	ELECT 10UF	20.00% 50V	D3701	8-719-083-82	DIODE UDES-TE17-12B	
CT 030	1 150 341-11	20001 4/UE	20.007 334	C3327	1-107-826-11	CERAMIC CHIP 0.10F	10.00% 16V	C3675	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	D3702	8-719-056-84	DIODE UDZ-TE-17-7.5B	
C2631	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	C3328	1-164-346-11	CERAMIC CHIP 1UF	16V	C3676	1-104-665-11	ELECT 100UF	20.00% 25V				
C2631 C2632	1-162-927-11	CERAMIC CHIP TOUPS	3.00% 50V 16V	C3330	1-164-346-11	CERAMIC CHIP 1UF	16V	C3677	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V				
CZ 03Z	7-104-340-11	CERAMIC CHIP IUF	104	1								i			

												DP1/151/	055.00	PART.NO	DESCRIPTION		REMARK	
REF.NO.	PART.NO	DESCRIPTION REMARK	REF.NO.	PART.NO	DESCRIPTION		REMARK	REF.NO.	PART.NO	DESCRIPTION		REMARK	REF.NO.				nemans.	
	< FERRI	TE BEAD >		< RESI	STOR >			R2659	1-216-841-11	METAL CHIP	47K 5	% 1/10W	R3146	1-216-864-11	SHORT CHIP			
			1					R2660	1-216-813-11	METAL CHIP	220 5	% 1/10W	R3147	1-216-864-11	SHORT CHIP	0		
FB8800	1-469-869-21	FERRITE OUR	R2306	1-216-811-11	METAL CEIP	150 5%	1/10W	R2661	1-216-821-11	METAL CHIP	1K 5	₹ 1/10W	R3300	1-218-827-11	METAL CHIP	150	0.5% 1/10W	
			R2307	1-216-811-11	METAL CEIP	150 5%	1/10W	R2662	1-216-853-11	METAL CHIP	470K 5	% 1/10W	R3301	1-218-827-11	METAL CHIP	150	0.5% 1/10W	
	< FILTE	R >	R2308	1-216-811-11	METAL CRIP	150 5%	1/10W	R2663	1-216-827-11	METAL CHIP	3.3K 5	% 1/10W	R3310	1-216-839-11	METAL CHIP	33K	5% 1/10W	
			R2309	1-216-811-11	METAL CHIP	150 5%	1/10W											
FL3300	1-236-071-11	ENCAPSULATED COMPONENT	R2310	1-216-825-11	METAL CRIP	2.2K 5%	1/10W	R2675	1-216-821-11	METAL CRIP	1K 5	% 1/10W	R3311	1-216-841-11	METAL CHIP	47K	5% 1/10W	
FL3301	1-236-071-11	ENCAPSULATED COMPONENT	RESIV	1-210-023-11	MEIAD CHIF	2.2K Jt	1/104	R2676	1-216-853-11	METAL CRIP	470X 5		R3313	1-216-817-11	METAL CHIP	470	5% 1/10W	
FL3400	1-236-071-11	ENCAPSULATED COMPONENT	R2311	1-216-825-11	METAL CRIP	2.2K 5%	1/10W	R2677	1-216-827-11	METAL CHIP	3.3K 5		R3314	1-216-819-11	METAL CHIP	680	5% 1/10W	
FL3500	1-236-071-11	ENCAPSULATED COMPONENT	I				-,	R2679	1-216-821-11	METAL CHIP	1K 5	,	R3315	1-216-825-11	METAL CRIP		5% 1/10W	
177300	1-230-071-11	ENCRESULATED COMPONENT	R2312	1-249-389-11	CARBON	4.7 5%	1/4W	R2680	1-216-853-11	METAL CHIP	470K 5		R3317	1-216-843-11	METAL CRIP		5% 1/10W	
			R2313	1-249-389-11	CARBON	4.7 5%	1/4W	K2680	1-210-033-11	MEINE CRIP	4701 3	1/10H	1317	1-210-043-11	MINE CITI	UUL	J. 1/10H	
	< IC >		R2314	1-216-813-11	METAL CHIP	220 5%	1/10W				2 2		2220	1 01/ 042 11	METAL CHIP	68K	5% 1/10W	
			R2315	1-216-813-11	METAL CHIP	220 5%	1/10W	R2681	1-216-827-11	METAL CHIP	3.3K 5		R3318	1-216-843-11			0.5% 1/10W	
IC2300	8-759-576-76	IC TDA2822D013TR	1					R2700	1-216-821-11	METAL CRIP	1K 5		R3319	1-218-885-11	METAL CHIP			
IC3300	8-752-096-83	IC CKA2149AQ-TL	R2316	1-216-837-11	METAL CHIP	22X 5%	1/10W	R2701	1-216-825-11	METAL CHIP	2.2K 5		R3320	1-218-686-11	METAL CRIP		0.5% 1/10W	
IC3400	8-752-068-45	IC CXA1855Q	R2317	1-216-837-11	METAL CHIP	22K 5%	1/10W	R2702	1-216-853-11	METAL CHIP	470K 5		R3321	1-218-686-11	METAL CHIP		0.5% 1/10W	
IC3500	8-759-587-03	IC TDA8601T	R2321	1-216-864-11	SHORT CHIP	0		R2703 ·	1-216-821-11	METAL CHIP	1K 5	% 1/10W	R3323	1-216-809-11	METAL CHIP	100	5% 1/10W	
			R2325	1-216-864-11	SHORT CHIP	0												
	< COIL	>	R2331	1-216-864-11	SHORT CHIP	0		R2704	1-216-825-11	METAL CHIP	2.2K 5	% 1/10W	R3324	1-216-809-11	METAL CHIP	100	5% 1/10W	
								R2705	1-216-853-11	METAL CRIP	470K 5	% 1/10W	R3326	1-216-864-11	SHORT CHIP	0		
1.3305	1-414-934-21	INDUCTOR 10UH	R2600	1-216-817-11	METAL CHIP	470 5%	1/10W	R3101	1-216-864-11	SHORT CHIP	0		R3329	1-216-864-91	SHORT CHIP	0		
1.3308	1-414-934-21	INDUCTOR 10UH	R2601	1-216-841-11	METAL CRIP	47K 5%	1/10₩	R3103	1-216-817-11	METAL CHIP	470 5	% 1/10W	R3330	1-216-864-11	SHORT CHIP	0		
			B2602	1-216-813-11	METAL CRIP	220 5%	1/10W	R3104	1-216-817-11	METAL CHIP	470 5	% 1/10W	R3331	1-414-594-11	FERRITE	0		
	< TRANS	ISTOR >	R2603	1-216-821-11	METAL CHIP	1K 5%	1/10W					,						
			R2604	1-216-853-11	METAL CRIP	470K 5%	1/10W	R3105	1-216-817-11	METAL CHIP	470 5	St 1/10W	R3332	1-216-864-11	SHORT CHIP	0		
02300	8-729-120-28	TRANSISTOR 2SC1623-L5L6	, REGUS	1 110 000 11	mini cui	1704 34	T/ TAN	R3106	1-216-842-11	METAL CHIP	56K 5	-,	R3333	1-216-825-11	METAL CHIP	2.2K	5% 1/10W	
Q2301	8-729-120-28	TRANSISTOR 2SC1623-L5L6	R2605	1-216-825-11	METAL CHIP	2.2K 5%	1/10W	R3107	1-218-725-11	METAL CHIP).5% 1/10W	R3335	1-216-864-11	SHORT CHIP	0	2,20	
02302	8-729-120-28	TRANSISTOR 2SC1623-L5L6	R2606	1-216-817-11			-,	R3108	1-216-864-11	SHORT CHIP	0	7.34 1/10W	R3336	1-216-864-11	SHORT CHIP	0		
Q2302 Q2303	8-729-120-28	TRANSISTOR 2SC1623-L5L6			METAL CHIP		1/10W			METAL CHIP	470 5	3 1/10W	R3338	1-216-864-11	SHORT CHIP	0		
Q2625	8-729-120-28	TRANSISTOR 2SC1623-L5L6	12607	1-216-841-11	METAL CHIP	47K 5%	1/10W	R3109	1-216-817-11	METAL CRIP	4/0 3)	10000	1-210-004-11	SHORT CHIP	v		
Q2023	8-129-120-28	TRANSISTON ZSC1023-L3L0	R2608	1-216-813-11	METAL CHIP	220 5%	1/10W											
****			R2609	1-216-821-11	METAL CHIP	1K 5%	1/10W	R3110	1-216-817-11	METAL CHIP	470 5	-,	R3340	1-216-864-11	SHORT CHIP	0		
Q2626	8-729-120-28	TRANSISTOR 2SC1623-L5L6						R3111	1-216-817-11	METAL CHIP	470 5		R3351	1-216-864-11	SHORT CHIP	0		
Q3300	8-729-120-28	TRANSISTOR 2SC1623-L5L6	R2610	1-216-853-11	METAL CHIP	470K 5%	1/10W	R3112	1-216-842-11	METAL CHIP	56K 5		R3400	1-216-809-11	METAL CHIP		5% 1/10W	
Q3302	8-729-120-28	TRANSISTOR 2SC1623-L5L6	R2611	1-216-825-11	METAL CHIP	2.2X 5%	1/10W	R3113	1-218-725-11	METAL CRIP	24K 0).5% 1/10W	R3401	1-216-809-11	METAL CHIP		5% 1/10W	
Q3303	8-729-120-28	TRANSISTOR 2SC1623-L5L6	R2625	1-216-817-11	METAL CHIP	470 5%	1/10W	R3121	1-216-817-11	METAL CHIP	470 5	5% 1/10W	R3402	1-218-827-11	METAL CHIP	150	0.5% 1/10W	
Q3305	8-729-038-96	TRANSISTOR IMZ1A-T109	R2626	1-216-841-11	METAL CHIP	47K 5%	1/10W						1					
			12627	1-216-813-11	METAL CRIP	220 5%	1/10W	R3122	1-216-864-11	SEORT CHIP	0		R3403	1-218-827-11	METAL CHIP	150	0.5% 1/10W	
Q3306	8-729-038-96	TRANSISTOR IME1A-T109						R3123	1-216-817-11	METAL CHIP	470 5	5% 1/10W	R3405	1-216-817-11	METAL CHIP	470	5% 1/10W	
Q3310	8-729-038-96	TRANSISTOR IMZ1A-T109	R2628	1-216-829-11	METAL CHIP	4.7K 5%	1/10₩	R3124	1-216-817-11	METAL CHIP	470 5	5% 1/10W	R3406	1-216-819-11	METAL CHIP	680	5% 1/10W	
03311	8-729-038-96	TRANSISTOR IME1A-T109	R2629	1-216-821-11	METAL CHIP	1K 5%	1/10W	R3125	1-216-842-11	METAL CHIP	56K 5	5% 1/10W	R3407	1-216-809-11	METAL CRIP	100	5% 1/10W	
Q3312	8-729-038-96	TRANSISTOR IMELA-T109	R2630	1-216-853-11	METAL CHIP	470K 5%	1/10W	R3126	1-218-725-11	METAL CRIP).5% 1/10W	R3408	1-216-837-11	METAL CRIP		5% 1/10W	
Q3400	8-729-120-28	TRANSISTOR 2SC1623-L5L6	R2631	1-216-825-11	METAL CHIP	2.2K 5%	1/10W	13110	1 110 110 11	munu out.		,	12.00	2 220 007 22	· ·		-, -,	
•			R2632	1-216-817-11	METAL CHIP	470 5%	1/10W	R3127	1-216-817-11	METAL CRIP	470 5	5% 1/10W	R3410	1-216-821-11	METAL CHIP	11	5% 1/10W	
Q3401	8-729-120-28	TRANSISTOR 2SC1623-L5L6	NA WAY	1-510-011-11	werup curt	470 35	11.108	R3128	1-216-864-11	SHORT CHIP	0	AN TITUM	R3411	1-216-809-11	METAL CHIP		5% 1/10W	
Q3402	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	R2633	1-216-841-11	West Ants	49w E4	1 /1 /**	R3128	1-216-864-11	METAL CHIP	•	5% 1/10W	R3412	1-216-609-11	METAL CHIP	1K	5% 1/10W	
03403	8-729-120-28	TRANSISTOR 2SC1623-L5L6	R2634		METAL CRIP	47K 5%	1/10W	R3129 R3130		METAL CHIP		5% 1/10W	R3412	1-216-821-11	METAL CHIP	15K	5% 1/10W	
03404	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		1-216-813-11	METAL CRIP	220 5%	1/10W	,	1-216-817-11			•	1			470		
Q3404 Q3405	8-729-120-28	TRANSISTOR 2SA103/AA-T146-R TRANSISTOR 2SC1623-L5L6	12635	1-216-829-11	METAL CEIP	4.7K 5%	1/10W	R3131	1-218-725-11	METAL CHIP	24K (0.5% 1/10W	R3414	1-216-817-11	METAL CHIP	470	5% 1/10W	
Q3403	8-129-120-28	TRANSISTOR ZSC1623-L5L6	R2636	1-216-821-11	METAL CHIP	1K 5%	1/10W						1					
*****	0 800 100 10		R2637	1-216-853-11	METAL CHIP	470K 5%	1/10W	R3132	1-216-842-11	METAL CHIP	56X !		R3415	1-216-817-11	METAL CRIP		5% 1/10W	
Q3406	8-729-120-28	TRANSISTOR 2SC1623-L5L6						R3133	1-216-817-11	METAL CHIP	470	5% 1/10W	R3416	1-216-825-11	METAL CHIP		5% 1/10W	
Q3407	8-729-120-28	TRANSISTOR 2SC1623-L5L6	R2638	1-216-825-11	METAL CRIP	2.2K 5%	1/10W	R3134	1-216-864-11	SHORT CHIP	0		R3417	1-216-864-11	SHORT CHIP	0		
03410	8-729-120-28	TRANSISTOR 2SC1623-L5L6	R2650	1-216-817-11	METAL CHIP	470 5%	1/10W	R3135	1-216-817-11	METAL CHIP	470	5% 1/10W	R3419	1-218-827-11	METAL CHIP		0.5% 1/10W	
Q3600	8-729-120-28	TRANSISTOR 2SC1623-L5L6	R2651	1-216-841-11	METAL CHIP	47K 5%	1/10W	R3136	1-216-817-11	METAL CRIP	470	5% 1/10W	R3420	1-216-839-11	METAL CHIP	33K	5% 1/10W	
Q3625	6-729-120-28	TRANSISTOR 2SC1623-L5L6	R2652	1-216-813-11	METAL CHIP	220 5%	1/10W						ļ					
			R2654	1-216-821-11	METAL CHIP	1K 5%	1/10W	R3137	1-216-842-11	METAL CHIP	56K	5% 1/10W	R3421	1-216-841-11	METAL CHIP	47K	5% 1/10W	
Q3650	8-729-120-28	TRANSISTOR 2SC1623-L5L6	1			••		R3138	1-218-725-11	METAL CHIP		0.5% 1/10W	R3422	1-216-839-11	METAL CHIP		5% 1/10W	
03651	8-729-120-28	TRANSISTOR 2SC1623-L5L6	R2655	1-216-853-11	METAL CHIP	470K 5%	1/10W	R3143	. 1-216-864-11	SHORT CHIP	0		R3423	1-216-841-11	METAL CHIP		5% 1/10W	
03652	8-729-120-28	TRANSISTOR 2SC1623-L5L6	R2656	1-216-827-11	METAL CRIP	3.3K 5%	1/10%	R3144	1-216-864-11	SHORT CEIP	0		R3456	1-216-825-11	METAL CRIP			
Q8824	8-729-120-28	TRANSISTOR 2SC1623-1516	R2658	1-216-817-11		470 5%	-,	R3145	1-216-864-11	SHORT CHIP	•		F3460	1-218-871-11			0.5% 1/10W	
x			N2 63 6	1-710-011-11	WEINT CUIL	41V 38	T/ TOM	1410	1-210-004-11	SHORT CHIP	U		13400	1-710-0/1-11	.m.m. cull	*VII	U.U. 1/1VH	

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Note: The components identified by shading and marked △ are critical for safety. Replace only with the part numbers specified in the parts list.

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			_																		
REF.NO.	PART.NO	DESCRIPTION		REM	ARK	REF.NO.	PART.NO	DESCRIPTION		F	EMARK	REF.NO.	PART.NO	DESCRIPTION		REMARK	REF.NO.	PART.NO	DESCRIPTION		REMARK
R3461	1-216-809-11	METAL CHIP	100	5% 1	/10W	R3677	1-216-022-00	RES-CHIP	75	5%	1/10W	C4604	1-126-964-11	ELECT	10UF	20.00% 50V		< IC :	>		
R3462	1-216-864-11	SHORT CHIP	0			R3678	1-216-805-11	METAL CHIP	47	5₹	1/10W	C4605	1-102-228-00	CERAMIC	470PF	10.00% 500V	İ				
R3463	1-218-871-11	METAL CHIP	10K	0.5% 1	/10W	R3679	1-216-022-00	RES-CHIP	75	5%	1/10W	C4606	1-162-318-11	CERAMIC	0.001UF	10.00% 500V	IC4600	6-700-292-01	IC STR-L474-	-LF429	
R3500	1-216-833-11	METAL CHIP	10K	5% 1	/10W	R3680	1-216-017-91	RES-CHIP		5€	1/10W	C4607	1-165-602-91	CERAMIC	220PF	10 2KV	IC4601 4	1 8-749- 010-64	PHOTO COUPLI	ER PC123F2	S. Selder
R3501	1-216-864-11	SHORT CRIP	0			R3681	1-216-843-11	METAL CHIP	68X	5%	1/10W	C4608	1-107-909-11	ELECT	47UF	20.00% 50V	IC4602	6-700-293-01	IC SE-012N-I	LF4	
																	IC4604	8-759-648-19	IC L7809CV/I	LSY	
R3502	1-216-864-11	SHORT CHIP	0			R3682	1-216-838-11	METAL CHIP		5€	1/10W	C4610	1-130-777-00	MYLAR	0.1UF	5.00% 100V					
R3503	1-216-864-11	SHORT CHIP	0			R3700	1-218-285-11	METAL CHIP	75	5%	1/10W	C4611	1-126-971-11	ELECT	470UF	20.00% 50V		< COI1	i >		
R3504	1-216-864-11	SHORT CHIP	0		/a a	R3701	1-216-805-11	METAL CHIP	47	5%	1/10W	C4612	1-136-497-81	Pilm	0.10F	5.00% 50V					
R3600	1-216-022-00	RES-CHIP			/10W	R3702	1-216-864-11	SHORT CHIP	0		• /• Am	C4615	1-136-497-81	FILM	0.107	5.00% 50V	L4600	1-410-397-21	FERRITE	1.10H	
R3601	1-216-805-11	METAL CHIP	47	5% 1	/10W	R3703	1-218-285-11	METAL CHIP	75	5%	1/10W	C4616	1-104-665-11	ELECT	100UF	20.00% 25V	L4602	1-412-519-11	INDUCTOR	3.3UH	
*****	1 01/ 00/ 1/		100		/10W	R3704	1-216-805-11	METAL CHIP	47	5%	1/10W						IA603	1-412-519-11	INDUCTOR	3.30E	
R3602 R3603	1-216-025-11 1-216-833-11	METAL CHIP METAL CHIP			/10W	R3705	1-216-805-11	SHORT CHIP	0	36	1/10#	C4618 C4619	1-136-497-81	PILM	0.10F	5.00% 50V	L4604	1-406-656-21	INDUCTOR	3.30H	
R3604	1-216-633-11	RES-CHIP			/10W	R3714	1-216-293-91	SHORT CHIP	0			C4619	1-104-665-11	ELECT	10007	20.00% 25V	İ				
R3604 R3605	1-216-022-00	METAL CHIP			/10W	R3716	1-218-827-11	METAL CHIP	•	A 53	1/10W	C4622	1-136-497-81 1-104-665-11	FILM ELECT	0.10F 1000F	5.00% 50V	1	< PROT	TECTOR MODULE >		
R3606	1-216-003-11	RES-CHIP			/10W	R3846	1-216-864-11	SBORT CHIP	0	v	1,108	C4623	1-136-497-81	PILM	0.10F	20.00% 25V 5.00% 50V	201501	1 575 465 44			
1000	1-210-022-00	ABJ-CHIF	,,		/ 10H	10000	1 210 004 11	buoni curi	٠			C4023	1-170-43/-01	FILM	0.10F	3.00% 30%	PS4601 PS4602	1-535-465-11 1-535-465-11	LEAD, JUMPER		
R3607	1-216-805-11	METAL CRIP	47	5% 1	/10W	R3847	1-216-833-11	METAL CHIP	10K	5%	1/10W	C4624	1-126-961-11	KLECT	2.20₽	20.00% 50V			LEAD, JUMPER		See State of the S
R3608	1-216-022-00	RES-CHIP			/10W	R3848	1-216-825-11	METAL CHIP	2.2K		1/10W	C4625	1-115-792-11	ELECT	0.0022F	20.00% 30V 20.00% 25V	C.	e de£ei Seie£ei	100		3.74.
R3609	1-216-805-11	METAL CHIP	-		/10W	R3849	1-216-845-11	METAL CHIP	100K		1/10W	C4626	1-104-665-11	ELECT	100UF	20.00% 25V		eneije.	DANT V		T.
R3610	1-216-022-00	RES-CRIP			/10W	R3850	1-216-821-11	METAL CHIP	1K	5%	1/10W	C4627	1-136-497-81	FILM	0.1UF	5.00% 50V	131943/50	4.5.43.43.47.2	C. 57.333		A 58 B 1, 1, 1, 127,
R3611	1-216-843-11	METAL CHIP	6BK		/10W	R3851	1-216-841-11	METAL CHIP		5%	1/10W	C4628	1-115-766-51	ELECT	0.0022F	20.00% 16V		✓ 90 31	RSISTOR >		
											•	01020	1 113 100 31	BIECT	0.00225	20.001 101		\ IMB	213108 >		
R3612	1-216-838-11	METAL CHIP	27K	51 1	/10W	R3852	1-216-841-11	METAL CHIP	47K	.5%	1/10W	C4629	1-137-733-51	ELECT	4700UF	20% 25V	Q4600	8-729-029-56	TRANSISTOR D	WET AAPCE	
R3613	1-216-825-11	METAL CHIP	2.2K	5% 1	/10W	R3853	1-218-827-11	METAL CHIP	150	0.5%	1/10W						04601	8-729-119-78	TRANSISTOR 2		:
R3614	1-216-022-00	RES-CHIP	75	5% 1	/10W	R3854	1-218-827-11	METAL CHIP	150	0.5%	1/10W		< CONN	ECTOR >							•
R3615	1-216-017-91	RES-CHIP	47	5% 1	/10W	R3855	1-218-827-11	METAL CHIP	150	0.5%	1/10W							< REST	ISTOR >		
R3625	1-216-022-00	RES-CHIP	75	5% 1	/10W	R3856	1-218-827-11	METAL CHIP	150	0.5%	1/10W	C#4600 A	7-580-143-11	PIN COMB	CTOR (POWER)						
		-										CM4601	* 1-564-506-11	PLUG, CONNE	ECTOR 3P		R4600 A	1-217-155-00	12 THE	10 -10	21
R3626	1-216-805-11	METAL CHIP			/10W	R3857	1-218-827-11	METAL CHIP			1/10W	CN4602	1-764-333-11	PIN, CONNEC	CTOR (PCB) (V	TYPE) 10P	R4601	1-260-127-11	CARBON	220K 5%	
R3627	1-216-025-11	NETAL CHIP			/10W	R3858	1-218-827-11	METAL CHIP		0.5%	1/10W	CH4603	* 1-564-511-11	PLUG, CONNE	ECTOR 8P		R4602 🛦	1-217-371-00	- PUSIBLE	0.47 101	Sallit Co
R3628	1-216-833-11	METAL CHIP			/10W	R3863	1-414-594-11	PERRITE	OUE			CN4604	1-695-915-11	TAB (CONTAC	CT)		R4603	1-260-133-11	CARBON	680K 5%	1/2W
R3629	1-216-022-00	RES-CHIP			/10W	R3867	1-216-821-11	METAL CHIP		5%	1/10W						R4604	1-215-884-21	METAL OXIDE	47 5%	2W
R3630	1-216-805-11	METAL CHIP	47	5% 1	/10W	R3868	1-216-821-11	METAL CHIP	1K	5%	1/10W	CN4605	1-695-915-11	TAB (CONTAC	CT)						
R3631	1-216-022-00	RES-CHIP	75	5% 1	/10W	R3869	1-216-821-11	METAL CHIP	1K	5%	1/10W						R4605	1-249-401-11	CARBON	47 5%	
R3632	1-216-022-00	METAL CHIP	-		/10W /10W	R3870	1-216-821-11	METAL CHIP	1K	5%	1/10W		< DIODI	ž>			R4607	1-249-421-11	CARBON	2.2K 5%	
R3633	1-216-803-11	RES-CHIP			/10W	R8887	1-216-821-11	METAL CHIP		5%	1/10W						R4608	1-260-128-91	CARBON	270K 5%	
R3634	1-216-805-11	METAL CHIP			/10W /10W	R8890	1-211-985-11	METAL CHIP	47		1/10W	D4600 D4601	8-719-025-88	DIODE GBU4J			R4609	1-249-419-11	CARBON	1.5K 5%	
R3635	1-216-022-00	RES-CHIP			/10W	R8891	1-218-839-11	METAL CHIP			1/10W	D4601 D4602	8-719-080-26	DIODE SARSO			R4610	1-249-403-11	CARBON	68 5%	1/4W
	1 110 000 00	and and		••••	,				•••	٠	2, 20#	D4602	8-719-075-11	DIODE AG01Z			2401	1 242 442 44			
R3636	1-218-827-11	METAL CHIP	150	0.5% 1	/10W	R9053	1-216-839-11	METAL CHIP	33K	5%	1/10W	D4603	8-719-075-11 8-719-075-11	DIODE AG01Z DIODE AG01Z			R4611 R4612	1-249-418-11	CARBON	1.2K 5%	1/4W
R3638	1-218-827-11	METAL CHIP		0.5% 1	•	R9089	1-216-797-11	METAL CHIP	10	5%	1/10W	74004	9-112-012-11	DIONE WOOLZ	140		R4612 R4613	1-249-419-11 1-259-880-11	CARBON CARBON	1.5K 5%	
R3639	1-216-022-00	RES-CHIP			/10W	R9090	1-216-797-11	METAL CHIP		5%	1/10W	D4605	8-719-075-11	DIODE AG01Z	zvo		R4614	1-259-880-11	CARBON	2.2M 5% 1K 5%	•
R3640	1-216-017-91	RES-CHIP			/10W	R9091	1-216-864-11	SHORT CHIP	0			D4606	8-719-072-17	DIODE BYW10			R4615	1-249-417-11	CARBON	1K 58	-,
R3650	1-216-809-11	METAL CHIP	100		/10W	R9092	1-216-864-11	SHORT CHIP	0			D4607	8-719-085-10	DIODE FMB-2			W4073	1-243-423-11	CARDUM	9./A 38	T/ 4M
												D4608	8-719-312-10	DIODE RUAM			R4616	1-216-366-00	METAL OXIDE	0 56 59	2W
R3651	1-216-025-11	METAL CHIP	10K	5% 1	/10W	* A-140	5-505-A G1 B	oard, Comple	te			D4609	8-719-510-12	DIODE DIOSC			R4617	1-249-415-11	CARBON	680 5%	
R3652	1-216-801-11	METAL CHIP	22	5% 1	/10W												R4618	1-249-420-11	CARBON	1.8K 5%	
R3653	1-216-022-00	RES-CHIP	75	5% 1	/10W		4-202-373-01	SPRING, IC				D4611	8-719-991-33	DIODE 18813	33T-77			1 212 420 11	- Caralla	1.04 33	1/38
R3654	1-216-805-11	METAL CHIP	47	5% 1	/10W		4-382-854-01	SCREW (M3X8)	, P, S¥	(+)		D4612	8-719-063-70	DIODE DINL2				< RELA	Y >		
R3656	1-216-022-00	RES-CHIP	75	5% 1	/10W								*								
							< CAPA	CITOR >					` < FERR	ITE BEAD >			RY4601 A	1-755-389-11	RELAY (AC PO	WER)	y Herrica
R3659	1-216-825-11	METAL CHIP	2.2K		/10W																Ju takkasi
R3660	1-216-022-00	RES-CHIP		5% 1	/10W		1-161-964-91	CERAMIC	0.004		250♥ ૅ	FB4602	1-410-396-41	FERRITE	0.4508			< TRAN	SFORMER >		
R3661	1-216-017-91	RES-CHIP	47		./10W	1	1-161-964-91	CERAMIC	0.0047	UF	250V	FB4603	1-410-396-41	FERRITE	0.45UE						
											209 45017						1				
R3675 R3676	1-216-025-11 1-216-833-11	METAL CHIP	100 10K		./10W ./10W	C4602 C4603	1-165-685-11 1-127-568-51	ELECT (BLOCK) CERAMIC	4700PI		20% 450V 10% 2KV						T4601 △	1-437-445-21	TRANSFORMER,	CONVERTER	(SRT)

			B#111B1	DEENO	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION		REMARK	REF.NO.	PART.NO	DESCRIPTION		REMARK
REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.						METAL CHIP	107).5% 1/10W	R5575	1-216-833-11	METAL CHIP	10K	5% 1/10W
		oard, Complete (KV-3		C5541	1-107-826-11	CERAMIC CHIP 0.10F	10.00% 16V	R5507	1-218-871-11).5% 1/10W	R5576	1-216-833-11	METAL CHIP		5% 1/10W
* A-140	05-506-A SF B	oard, Complete (KV-3	6HQ100)	C5547	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	R5508	1-218-878-11	METAL CHIP			R5577	1-216-833-11	METAL CHIP		5% 1/10W
CE Do	ud Common D)a-ta		C5548	1-107-826-11	CERAMIC CEIP 0.1UF	10.00% 16V	R5510	1-218-878-11	METAL CHIP).5% 1/10W	R5578		METAL CHIP		5% 1/10W
SF 608	ard, Common P	ans		C5549	1-107-826-11	CERAMIC CHIP 0.10F	10.00% 16V	R5513	1-218-871-11	METAL CHIP).5% 1/10W		1-216-833-11	METAL CHIP		5% 1/10W
	4-382-854-01	SCREW (M3X0), P, SW (+}	C5551	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	R5514	1-218-871-11	METAL CHIP	10K ().5% 1/10W	R5580	1-216-833-11	WEINT CHIL	100 -	/t 1/10W
				C5554	1-107-826-11	CERAMIC CHIP 0.10F	10.00% 16V	R5516	1-216-793-11	METAL CHIP	4.7	5% 1/10W	R5581	1-216-833-11	METAL CHIP	10K 5	5% 1/10W
	< CAPA	CITOR >		C5555	1-136-497-81	FILM 0.10F	5.00% 50V	R5517	1-218-867-11	METAL CHIP	6.8K).5% 1/10W	R5584	1-216-837-11	METAL CHIP	22K	5% 1/10W
				C5556	1-136-497-81	FILM 0.1UF	5.00% 50V	R5519	1-216-793-11	METAL CHIP	4.7	5% 1/10W	R5587	1-216-833-11	METAL CHIP	10K	5% 1/10W
C5205	1-164-156-11	CERAMIC CHIP 0.1UF	25V					R5520	1-218-882-11	METAL CHIP	30K).5% 1/10W	R5591	1-211-985-11	METAL CHIP	47 (0.5% 1/10W
C5207	1-126-960-11	ELECT 1UF	20.00% 50V		< CONN	NECTOR >		R5521	1-216-851-11	METAL CHIP	330K	5% 1/10W	R5592	1-211-985-11	METAL CHIP	47 (0.5% 1/10W
C5209	1-126-964-11	ELECT 100F	20.00% 50V														
C5211	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V	CN5500	* 1-564-506-11	PLUG, CONNECTOR 3P		R5522	1-249-383-11	CARBON	1.5	5% 1/4W	SF Bo	ard, Variant Pa	ts KV-32HQ10	00	
C5212	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V	CN5501	* 1-564-511-11	PLUG, CONNECTOR 8P		R5523	1-218-867-11	METAL CHIP).5% 1/10W	1				
				CN5505	* 1-564-509-11	PLUG, CONNECTOR 6P		R5526	1-215-869-11	METAL OXIDE				< CAP	ACITOR >		
C5213	1-126-964-11	ELECT 10UF	20.00% 50V	CN5507	1-564-505-41	PLUG, CONNECTOR 2P		R5527	1-249-383-11	CARBON	1.5						
C5214	1-164-156-11	CERAMIC CHIP 0.10F	25♥	CN5508	* 1-564-515-11	PLUG, CONNECTOR 12P		R5528	1-243-831-91	METAL OXIDE			C5200	NOT FITTED			
C5216	1-117-722-91	ELECT 2200UF	20.00% 10V	CHOOVE	- 1-304-313-11	riod, committee izr		7,3120	1-243-031-31	MATERIA ORIDI	••		C5201	NOT FITTED			
C5239	1-164-156-11	CERAMIC CHIP 0.1UF	25 V	CN5509	* 1-564-506-11	PLUG, CONNECTOR 3P		R5530	1-218-867-11	METAL CHIP	C OF	1 55 1/10W	C5202	NOT FITTED			
C5240	1-164-156-11	CERAMIC CHIP 0.1UF	25 V	CHOOLA	- 1-304-300-11	race, commector 3P		R5530 R5531	1-218-867-11	CARBON	1.5		C5202	NOT FITTED			
			== :		< DIOD	NP \		R5531 R5532	1-249-383-11	METAL CRIP		0.5% 1/4W	C5203	NOT FITTED			
C5502	1-107-826-11	CERAMIC CRIP 0.1UF	10.00% 16V	1	< D100	1E >				METAL CHIP	4.7		C3204	NOT TITLED			
C5503	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V	25200	0 710 001 07	DTODD 16/0101481		R5535	1-216-793-11			•	C5206	NOT FITTED			
C5504	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V	D5200	8-719-081-97	DIODE MMDL914T1		R5536	1-249-383-11	CARBON	1.5	D6 1/4#	C5208	NOT FITTED			
C5505	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	D5201	8-719-081-97	DIODE MMDL914T1							1				
C5506	1-162-964-11	CERAMIC CRIP 0.001UF	10.00% 50V					R5538	1-216-793-11	METAL CHIP	4.7		C5210	NOT FITTED			
03300	1 102 704 11	CENTRIC CHIL V. VVIVI	20.001 301		< IC >	•		R5539	1-249-441-11	CARBON	100K		C5215	NOT FITTED			
C5507	1-104-665-11	ELECT 1000F	20.00% 25V					R5541	1-216-851-11	METAL CHIP	330K		C5237	NOT FITTED			
C5508	1-136-497-81	FILM 0.1UF	5.00% 50V	IC5200	8-759-700-78	IC NJMO82M		R5542	1-215-857-11	METAL OXIDE		5% 1W					
C5510	1-104-665-11	ELECT 100UF	20.00% 25V	IC5205	8-759-100-96	IC UPC4558G2		R5543	1-249-383-11	CARBON	1.5	5% 1/4W	C5238	NOT FITTED			
C5512	1-136-497-81	FILM 0.1UF	5.00% 50V	IC5501	8-759-822-38	IC 1A6510							C5280	NOT FITTED			
C5517				IC5502	8-759-803-42	IC LA6500-FA		R5544	1-218-883-11	METAL CHIP		•	C5281	NOT FITTED			
C2211	1-162-964-11	CERANIC CHIP 0.001UF	10.00% 50V	IC5503	8-759-445-59	IC BA033T		R5545	1-243-831-91	METAL OXIDE	12	54 1W	C5282	NOT FITTED			
****				1				R5546	1-215-869-11	METAL OXIDE	1 K	5% 1W	C5283	NOT FITTED			
C5518	1-136-497-81	FILM 0.10P	5.00% 50V	IC5504	6-803-081-01	IC CXD9761Q		R5547	1-249-383-11	CARBON	1.5	5% 1/4W					
C5520	1-136-497-81	FILM 0.1UF	5.00% 50V	IC5505	6-702-455-01	IC NJM12903M-TE2		R5548	1-249-383-11	CARBON	1.5	5% 1/4W	C5284	NOT FITTED			
C5521	1-104-665-11	ELECT 100UF	20.00% 25V	i				İ					į				
C5522	1-104-665-11	ELECT 100UF	20.00% 25V		< RESI	STOR >		R5550	1-216-864-11	SHORT CHIP	0			< CON	NECTOR >		
C5523	1-126-935-11	ELECT 470UF	20.00% 16V					R5551	1-218-823-11	METAL CHIP	100	0.5% 1/10W	1				
				R5202	1-216-815-11	METAL CHIP 330	5% 1/10W	R5552	1-218-823-11	METAL CHIP	100	0.5% 1/10W	CN5200	NOT FITTED			
C5524	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	R5203	1-216-815-11	METAL CHIP 330	5% 1/10W	R5553	1-211-976-11	METAL CHIP	20	0.5% 1/10W	CN5280	NOT FITTED			
C5525	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	R5204	1-216-833-11	METAL CHIP 10K	5% 1/10W	R5554	1-218-823-11	METAL CHIP	100	0.5% 1/10W					
C5526	1-126-935-11	ELECT 4700F	20.00% 16V	R5208	1-216-833-11	METAL CRIP 10K								< IC	>		
C5527	1-126-964-11	ELECT 10UF	20.00% 50V	R5210	1-218-913-91		0.5% 1/10W	R5555	1-216-864-11	SHORT CHIP	C						
C5528	1-107-826-11	CERAMIC CHIP 0.10F	10.00% 16V				,	R5556	1-216-833-11	METAL CHIP	-	5% 1/10W	IC5201	NOT FITTED			
				R5217	1-249-383-11	CARBON 1.5	5% 1/4W	R5557	1-218-867-11	METAL CHIP		0.5% 1/10W	IC5280	NOT FITTED			
C5529	1-107-826-11	CERAMIC CHIP 0.10F	10.00% 16V	R5224	1-218-871-11		0.5% 1/10W	R5558	1-218-823-11			0.5% 1/10W					
C5530	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	R5225	1-216-841-11		5% 1/10W	R5559	1-211-986-11	METAL CHIP		0.5% 1/10W		< RES	ISTOR >		
C5531	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	R5229	1-249-383-11	CARBON 1.5	•	ECCUA	1-211-500-11	num carr	<i>3</i> 2	J. J. 1/10H		1 100			
C5532	1-107-826-11	CERAMIC CHIP 0.1UP	10.00% 16V	R5231	1-216-821-11		5% 1/10W	R5560	1-216-833-11	METAL CHIP	10K	5% 1/10W	R5200	NOT FITTED			
C5533	1-126-963-11	ELECT 4.7UF	20.00% 50V				1/10M	R5561	1-216-833-11			0.5% 1/10W	R5200	NOT FITTED			
				R5232	1-218-901-11	METAL CRIP 180K	0.5% 1/10W	R5562				5% 1/10W	R5201	NOT FITTED			
C5534	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	R5234	1-216-833-11	METAL CHIP 10K			1-216-821-11			•	R5205	NOT FITTED			
C5535	1-126-960-11	ELECT 1UF	20.00% 50V	R5254				R5563	1-216-797-11			5% 1/10W	1				
C5536	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	R5256	1-216-829-11 1-218-878-11	METAL CHIP 4.7K		R5564	1-218-831-11	METAL CEIP	220	WUI\I 86.U	R5207	NOT FITTED			
C5537	1-107-826-11	CERAMIC CHIP 0.10F	10.00% 16V	1			0.5% 1/10W					F. 1/15-					
C5538	1-126-964-11	ELECT 100F	20.00% 50V	R5500	1-218-871-11	METAL CHIP 10K	0.5% 1/10W	R5565	1-216-833-11				R5209	NOT FITTED			
					1 010 000 1	LM811 07	A FA	R5566	1-218-859-11			0.5% 1/10W	R5211	NOT FITTED			
C5539	1-107-826-11	CERAMIC CHIP 0.10F	10.00% 16V	R5503	1-218-878-11		0.5% 1/10W	R5567	1-216-833-11				R5212	NOT FITTED			
C5540	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16 V	R5504	1-218-871-11		0.5% 1/10W	R5572	1-216-833-11				R5213	NOT FITTED			
		Om. 1.10 On 11 V. 191		R5506	1-218-871-11	METAL CHIP 10K	U.5% 1/10W	R5574	1-216-833-11	METAL CHIP	10K	5% 1/10W	R5214	NOT FITTED			

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REF.NO.	PART.NO	DESCRIPTION		REMARK		REF.NO.	PART.NO	DESCRIPTION		F	REMARK
R5215	NOT FITTED						< CON	NECTOR >			
R5216	NOT FITTED										
R5218	NOT FITTED					CN5200	* 1-564-507-11	PLUG, CONNEC	TOR 4P		
R5219	NOT FITTED					CN5280	* 1-564-506-11	PLUG, CONNEC			
R5220	NOT FITTED	*									
							< IC :	>			
R5230	1-218-915-11	METAL CRIP	680K 0.5	% 1/10W							
R5233	NOT FITTED					IC5201	8-749-018-54	IC STK391-12	0		
R5254	NOT FITTED					IC5280	8-749-018-54	IC STK391-12	0		
R5255	NOT FITTED					İ					
R5257	NOT FITTED					!	< RES	ISTOR >			
R5259	NOT FITTED					R5200	1-218-865-11	METAL CHIP	5.6K	0.5%	1/10W
R5260	NOT FITTED					R5201	1-216-825-11	METAL CHIP	2.2K		1/10W
R5261	NOT FITTED					R5205	1-249-383-11	CARBON	1.5	5%	1/49
R5262	NOT FITTED					R5206	1-216-822-11	METAL CHIP			1/10W
R5263	NOT FITTED					R5207	1-243-693-71	METAL OXIDE	270	5%	1W
							/4	***************************************		••	
R5264	NOT FITTED					R5209	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R5280	NOT FITTED					R5211	1-243-546-71	METAL OXIDE	3.3	5%	2W
R5281	NOT FITTED					R5212	1-249-383-11	CARBON	1.5	5%	1/4W
R5282	NOT FITTED					R5213	1-243-693-71	METAL OXIDE	270	5%	19
R5283	HOT FITTED					R5214	1-216-843-11	METAL CHIP	68K	5%	1/10W
35284	NOT FITTED					R5215	1-243-546-71	METAL OXIDE	3.3	5%	214
35285	NOT FITTED					R5216	1-249-381-11	CARBON	1	5%	1/4W
5286	NOT FITTED					R5218	1-218-865-11	METAL CHIP	_	0.5%	1/10W
15287	NOT FITTED					R5219	1-216-825-11	METAL CHIP		5%	1/10W
35288	NOT FITTED					R5220	1-249-381-11	CARBON	1	5%	1/4W
						ļ					-,
R5289	NOT FITTED					R5230	1-216-857-11	METAL CHIP	1M	5%	1/10W
R5290	BOT FITTED					R5233	1-218-888-91	RES CHIP	51K	0.5%	1/10W
35291	NOT FITTED					R5254	1-218-858-11	METAL CHIP	3K	0.5%	1/10W
15292	HOT FITTED					R5255	1-218-858-11	METAL CHIP	3K	0.5%	1/10W
						R5257	1-218-871-91	RES CHIP	10K	0.5%	1/10W
SF Boa	rd, Variant Par	ts KV-36HQ10	0			25050					4 /4 0
						R5259	1-218-863-91	RES CHIP			1/10W
	< CAPA	CITOR >				R5260	1-218-871-91	RES CHIP	10K		1/10W
15000	1 169 003 14	/mnst-20 0c	10000		EAst	R5261	1-218-859-11	METAL CHIP			1/10W
5200	1-162-927-11	CERAMIC CHIP		5.00%		R5262	1-218-834-11	METAL CHIP	300		1/10W
5201	1-162-923-11	CERAMIC CHIP		5.00%	50V	R5263	1-218-859-11	METAL CHIP	3.3K	0.5%	1/10W
5202 5203	1-162-927-11	CERAMIC CHIP		5.00%		DESCA	1 210 024 **	LORDAY OUTS	200	۸	1 /1 /0
	1-162-923-11	CERAMIC CHIP ELECT		5.00%		R5264	1-218-834-11	METAL CHIP	300		1/109
5204	1-104-665-11	BLECT	100UF	20.00%	23V	R5280	1-218-858-11	METAL CHIP	3K		1/10W
eone	1-104-665-11	ELECT	10000	20.000	2511	R5281	1-218-859-11	METAL CHIP			1/10W
5206			100UF	20.00%		R5282	1-218-834-11	METAL CHIP	300		1/10W
5208	1-164-156-11	CERAMIC CHIP			25V	R5283	1-216-822-11	METAL CHIP	1.2K	38	1/10W
5210	1-164-156-11	CERAMIC CHIP		10.000	25V	25004	1 016 000 11	, mark au			4./1.00
5215	1-162-970-11	CERAMIC CHIP		10.00%		R5284	1-216-822-11	METAL CHIP	1.2K		1/10₩
:5237	1-162-967-11	CERAMIC CHIP	U.UU33UF	10.00%	207	R5285	1-249-383-11	CARBON	1.5	5%	1/4W
5220	1 162 062 **	OTT 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.002200	10 000		R5286	1-218-865-11	METAL CHIP		0.5%	1/10₩
5238	1-162-967-11	CERAMIC CHIP		10.00%		R5287	1-216-825-11	METAL CHIP	2.2K		1/10#
:5280	1-162-967-11	CERAMIC CHIP		10.00%		R5288	1-216-843-11	METAL CHIP	68K	5%	1/10W
5281	1-162-927-11	CERAMIC CHIP		5.00%							
	1-162-923-11	CERAMIC CHIP		5.00%		R5289	1-243-693-71	METAL OXIDE	270	5%	IW
					2511	R5290	1-249-381-11	CARBON	1	5%	1/4W
	1-104-665-11	ELECT	100UF	20.00%	234	1					
25282 25283 25284	1-104-665-11	ELECT	1000F	20.00%		R5291 R5292	1-249-381-11	METAL OXIDE CARBON	3.3	5% 5%	2W 1/4W

REF.NO.	PART.NO	DESCRIPTION	REMARK		REF.NO.	PART.NO	DESCRIPTION	REMARK
		loard, Complete	Newton		C8803	1-164-315-11	CERAMIC CHIP 470PF	5.00% 50V
	35-000-A 312 L	oard, complete			C8804	1-115-416-11	CERAMIC CHIP 4/0FF	5.00% 30V 5.00% 25V
	< CONN	7CTOD \			C8809	1-162-970-11	CERAMIC CHIP 0.0010F	10.00% 25V
	Conn	CIOR >			C8810	1-126-947-11	ELECT 47UF	20.00% 35V
CN5500	*1-564-506-11	PLUG, CONNECTOR	3P		C8811	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
		,						
	< THER	ISTOR >			C8812	1-126-960-11	ELECT 1UF	20.00% 50V
					C8817	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
TH5501	1-807-796-11	THERMI STOR			C8820	1-164-227-11	CERAMIC CHIP 0.022UF	10.00% 25V
_					C8821	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
		ard, Complete 3:			C8822	1-136-479-11	FILM 0.001UF	5.00% 100V
A-140	3-307-A DIB	ard. Complete 3	ondituu		C8823	1-162-964-11	CERAMIC CHIP 0.001UF	E AAA . EA+
D1 Boa	rd. Common Pa	erts			C8824	1-162-964-11	CERAMIC CHIP 0.0010F	5.00% 50V
					C8825	1-126-960-11	ELECT 10F	10.00% 50V 20.00% 50V
	4-382-854-01	SCREW (M3X8), P,	SW (+)		C8023	1-110-300-11	ELECT 101	20.004 309
		, ,,,	• •			< CONNE	ECTOR >	
	< CAPAC	ITOR >						
701A4	1 100 000 11	W 100			CN8500	1-764-333-11	PIN, CONNECTOR (PCB) (V	TYPE) 10P
C8100 C8101	1-126-960-11	ELECT 1UP			CN8601	* 1-564-506-11	PLUG, CONNECTOR 3P	
C8101	1-162-962-11 1-102-030-00	CERAMIC CHIP 4701 CERAMIC 3301			CN8611	* 1-785-270-12	PIN, DY CONNECTOR (PC	BOARD)
C8102	1-102-030-00		PF 10.00% 470F 10.00%		CN8612	* 1-564-511-11	PLUG, CONNECTOR 8P	
C8105	1-126-960-11	ELECT 10F	20.00%		CN8614	* 1-564-508-11	PLUG, CONNECTOR 5P	
	1 120 700 11	and ive	20.001	301	CN8615	4 1 764 700 11	PT 70 000 PT 000 CD	
C8106	1-162-962-11	CERAMIC CHIP 470	PF 10.00%	50V	CN8616	* 1-564-509-11 * 1-564-510-11	PLUG, CONNECTOR 6P	
C8107	1-102-030-00	CERANIC 3301			Cassis	- 1-304-310-11	PLUG, COMMECTOR 7P	
C8109	1-106-383-00	MYLAR 0.04	47UF 10.00%			< DIODE	2.5	
C8112	1-117-836-11	FILM 6800	OPF 3.00%	1.5KV		(51051	• •	
C8113	1-117-835-11	FILM 6200	OPF 3.00%	1.5KV	D8100	8-719-991-33	DIODE 1SS133T-77	
					D8101	8-719-110-41	DIODE RD15ESB2	
C8114	1-125-893-11	FILM 6801			D8102	8-719-110-41	DIODE RD15ESB2	
C8115	1-125-893-11	PILM 680			D8201	8-719-302-43	DIODE EL12	
C8116	1-127-681-11	FILM 1000		100V	D8202	8-719-302-43	DIODE EL1Z	
C8117	1-115-519-11	FILM 0.56						
C8118	1-107-846-11	FILM 0.10	J₽ 5.00%	400V	D8203	8-719-510-73	DIODE S3L20UF4	
C8120	1_117_660 11	DTTU A 14	0 00 F 000	25017	D8204	8-719-510-73	DIODE S3L20UF4	
C8121	1-117-662-11 1-107-846-11	FILM 0.18			D8309	8-719-081-97	DIODE MMDL914T1	
C8121	1-162-964-11	CERAMIC CHIP 0.00			D8311	8-719-081-97	DIODE MMDL914T1	
C8200	1-123-024-21	ELECT 33U		160V	D8312	8-719-081-97	DIODE MADL914T1	
C8201	1-107-656-11	ELECT 1000			D0212	9_719_001 07	DIONE MANY 61 Jes	
			20.001		D8313 D8802	8-719-081-97 8-719-081-97	DIODE MMDL914T1 DIODE MMDL914T1	
C8202	1-102-228-00	CERAMIC 470E	PF 10.00%	500V	D8802	8-719-081-97 8-719-081-97	DIODE MMDL914T1	
C8203	1-102-228-00	CERAMIC 470			D8805	8-719-081-97	DIODE MMDL914T1	
C8204	1-102-228-00	CERAMIC 470F			50005	0 113 001-31	SIONE REMUTITIE	
C8205	1-126-941-11	ELECT 4700	JP 20.00%	25V		< IC >		
C8206	1-126-941-11	ELECT 4700	JF 20.00€	25V				
*****					IC8501	8-759-998-98	IC LMG58D	
C8304	1-104-666-11	ELECT 2200			IC8801	6-701-847-01	IC UPC1898CT-A	
C8305	1-164-156-11	CERAMIC CHIP 0.10		25V				
C8313 C8314	1-115-416-11	CERAMIC CHIP 0.00				< COIL	>	
C8501	1-162-927-11 1-162-964-11	CERAMIC CHIP 100P CERAMIC CHIP 0.00						
-00001	1-107-304-11	CERTAIN CELT U.UU)1UF 10.00%	204	L8101	1-406-985-11	INDUCTOR 2.2MH	
C8502	1-162-970-11	CERAMIC CHIP 0.01	UF 10.00%	25V	L8201	1-535-303-00	LEAD, JUMPER (5.0MM)	
C8503	1-162-970-11	CERAMIC CHIP 0.01			L8202	1-535-303-00	LEAD, JUMPER (5.0MM)	
C8506	1-126-947-11	ELECT 470F			L8203	1-535-303-00	LEAD, JUMPER (5.0MM)	
C8507	1-165-176-11	CERAMIC CHIP 0.04						
C8802	1-164-315-11	CERAMIC CHIP 470P						

REF.NO.	PART.NO	DESCRIPTION		1	REMARK	REF.NO.	PART.NO	DESCRIPTION			EMARK
	< TRANS	ISTOR >				R8226	1-260-288-11	CARBON		5%	1/2W
						R8308	1-216-841-11	METAL CHIP	47K	5%	1/10W
Q8010	8-729-010-29	TRANSISTOR M	D601-R	ST1		R8309	1-216-841-11	METAL CHIP	47K	5%	1/10W
Q8011	8-729-010-05	TRANSISTOR M	B709-R	Tl		R8317	1-215-473-00	METAL	150K	1%	1/4W
Q8014	8-729-010-29	TRANSISTOR M	D601-R	ST1		R8318	1-215-461-00	METAL	47K	1%	1/49
Q8015	8-729-010-05	TRANSISTOR M	:B709-R	Tì							
Q8100	8-729-048-47	TRANSISTOR 2	C2688 (5) ~LK		R8319	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
-				•		R8320	1-216-833-11	METAL CHIP	10K	5%	1/10W
Q8101	8-729-048-47	TRANSISTOR 25	C2688 (5) -LK		R8321	1-216-825-11	METAL CHIP	2.2K	5€	1/10W
Q8102	6-550-669-01	TRANSISTOR ST	2310DE	Ī		R8327	1-218-883-11	METAL CHIP	33K	0.5%	1/10W
Q8103	6-550-669-01	TRANSISTOR ST	2310DH	I		R8331	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
Q8105	8-729-050-48	TRANSISTOR I									
Q8308	8-729-010-05	TRANSISTOR M	B709-R	T 1		R8332	1-216-833-11	METAL CHIP	10K	5%	1/10W
•						R8333	1-216-845-11	METAL CHIP	100K	5%	1/10W
Q8501	8-729-010-05	TRANSISTOR MS	B709-R	T 1		R8334	1-216-825-11	METAL CHIP	2.2K	5%	1/10%
08502	8-729-010-29	TRANSISTOR M	D601-R	ST1		R8336	1-215-469-00	METAL	100K	11	1/4W
08503	8-729-010-29	TRANSISTOR M	D601-R	ST1		R8363	1-218-863-11	METAL CHIP	4.7K	0.5%	1/10W
Q8504	8-729-010-05	TRANSISTOR M									•
Q8507	8-729-010-29	TRANSISTOR NO				R8364	1-218-861-11	METAL CRIP	3.9K	0.5%	1/10W
••••						R8501	1-218-895-11	METAL CRIP	100K	0.5%	1/10W
Q8508	8-729-010-05	TRANSISTOR MS	B709-R	71		R8503	1-216-829-11	METAL CHIP	4.7K	58	1/10W
Q8701	8-729-010-29	TRANSISTOR MS				R8504	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
Q8801	8-729-010-05	TRANSISTOR M				R8505	1-216-833-11	METAL CHIP	10K	5%	1/100
08802	8-729-010-29	TRANSISTOR MS	D601-R	ST1							_,
08806	8-729-010-29	TRANSISTOR ME				R8506	1-216-845-11	METAL CHIP	100K	5%	1/10%
20000	0 125 020 25			~		R8508	1-216-864-11	SEORT CHIP	0	•••	-,
Q8807	8-729-010-05	TRANSISTOR M	:R709-E	P1		R8509	1-216-864-11	SHORT CHIP	ō		
Q8808	8-729-421-19	TRANSISTOR U				R8510	1-216-821-11	METAL CHIP	18	5%	1/10W
Q8809	8-729-010-29	TRANSISTOR M		CT1		R8512	1-216-845-11	METAL CHIP		5%	1/10W
Q8810	8-729-010-29	TRANSISTOR M				14522	1 110 043 11	MOING CHIL	100%	J.	1/104
80024		MANOTOTO IN		~		R8513	1-216-821-11	METAL CHIP	1K	51	1/10W
	< RESIS	900 \				R8518	1-218-895-11	METAL CHIP		0.5%	
	/ M010	10k >				R8701	1-215-469-00	METAL	100K	18	1/4#
R8028	1-249-411-11	CARBON	330	5%	1/4W	R8702	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8033	1-249-411-11	CARBON	330	5 %	1/4W	R8702	1-216-835-11	METAL CHIP		5%	1/10W
R8100	1-243-584-71	METAL OXIDE	4.7K	5%	2W	20103	1-210-013-11	METRI CITE	2.22		1/10#
R8102	1-249-419-11	CARBON	1.5K	54	1/4W	R8802	1-216-864-11	SHORT CRIP	0		
R8103	1-260-340-11	CARBON	10K	5¥	1/20	R8803	1-218-887-11	METAL CHIP	47K	0.54	1/10W
KOIVJ	1-200-340-11	CARDON	IUK	J	1/2#	R8804	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R8105	1-243-613-71	METAL OXIDE	3.9K	51	3W	R8805	1-216-833-11	METAL CRIP	10K	5%	1/10W
R8107	1-249-419-11	CARBON	1.5K	5%	3# 1/4#	R8810	1-216-845-11	METAL CHIP	100K		
		CARBON	1.5A	5%	-	KDOIU	1-210-643-11	METAL CELF	TOOP	35	1/10W
R8108	1-260-340-11				1/2W	70011	1 017 045 11	10011 00TD	100		1 /1 00
R8109	1-243-949-71	METAL OXIDE	0.47	5%	2W	R8811	1-216-845-11	METAL CEIP	100K	38	1/10W
R8110	1-215-880-00	METAL OXIDE	10	5%	2W	R8812	1-216-864-11	SHORT CHIP	0	**	. /
						R8823	1-216-839-11	METAL CHIP	33K	5%	1/10W
R8111	1-216-361-21	METAL OXIDE	0.22	5%	2W	R8824	1-216-829-11	METAL CHIP	4.7K	51	1/10₩
R8112	1-215-880-00	METAL OXIDE	10	51	2W	R8829	1-216-809-11	METAL CRIP	100	5%	1/10W
R8115	1-215-493-00	METAL	114	11	1/4W						
R8116	1-215-485-00	METAL	470K	14	1/4W	R8831	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R8117	1-215-493-00	METAL	111	1%	1/4W	R8832	1-218-871-11	METAL CHIP	10K	0.5%	•
						R8833	1-218-879-11	METAL CHIP	22K	0.5%	-, -
R8119	1-249-405-11	CARBON	100	5%	1/4W	R8834	1-215-469-00	METAL	100K	1%	1/4₩
R8120	1-249-425-11	CARBON	4.7K	5%	1/49	R8835	1-216-833-11	METAL CHIP	10K	5%	1/10W
K8737	1-543-452-11	CARBON	4.7K	58	1/48	1					
R8201	1-260-123-11	CARBON	100K		1/2W	R8836	1-216-833-11	METAL CHIP	10K	5₹	1/10W
R8202	1-212-934-00	FUSIBLE	1	5%	1/2W	R8837	1-216-837-11	METAL CHIP	22K	5€	1/10W
						R8842	1-218-869-11	METAL CHIP	8.2K	0.5%	1/10W
R8206	1-260-288-11	CARBON	0.47	5%	1/2W	R8843	1-216-815-11 1-215-469-00	METAL CHIP	330	5%	1/10W

EF.NO.	PART.NO	DESCRIPTION			REMARK	REF.NO	. PART.NO	DESCRIPTION		R	EMARK
8845	1-215-469-00	METAL	100K	1%	1/4W		<	TRANSISTOR >			
8848	1-216-845-11	METAL CHIP	100K	5%	1/10W						
849	1-216-845-11	METAL CHIP	100K	5%	1/10W	Q8106	8-729-047-	-59 TRANSISTOR S	rp5NB4(PP	
851	1-216-833-11	METAL CHIP	10K	5%	1/10W	Q8201	NOT FITTED)			
8853	1-216-857-11	METAL CHIP	1M	5%	1/10W	Q8401	NOT FITTEE)			
						Q8405	NOT FITTEL)			
8854	1-216-837-11	METAL CHIP	22K	5%	1/10W	Q8406	NOT FITTEI)			
8855	1-216-864-11	SEORT CEIP	0	•	-,	•					
8856	1-216-837-11	METAL CRIP	22K	5%	1/10W	Q8509	NOT FITTEL)			
8857	1-216-841-11	METAL CHIP	47K	5%	1/10%	Q8510	NOT FITTEL				
8858	1-216-845-11	METAL CHIP	100K	5%	1/10W	08601	NOT FITTEL				
1030	1-510-043-11	MEIND CHIF	1000	٠,	1, 10H	20001					
861	1-216-825-11	METAL CHIP	2.2K	5 %	1/10W		<	RESISTOR >			
3862	1-216-833-11	METAL CHIP	10K	5%	1/10W						
863	1-216-864-11	SHORT CHIP	0			R8101	1-216-460-	-71 METAL OXIDE	3.9K	5%	2¥
003			•			R8104	1-243-614-		4.7K	54	317
	< TRA	ISPORMER >				R8113	NOT FITTE)			
	1 100					R8114	NOT FITTEI	=			
100	1-433-489-31	TRANSFORMER,	PERRIT	E /H	DT)	R8118	1-247-807-		100	5%	1/4W
100	1-433-489-31	TRANSFORMER,				1					
202	1-437-614-11	TRANSFORMER,		•		R8213	NOT FITTE	0			
- 42	7-431-014-11	areast versiely			J	R8214	1-216-367		0.68	5%	2W
)1 Bos	rd. Variant Pa	ts KV-32HQ10	0			R8215	NOT FITTE				
, , ,,,,,,	ra, variant i u	13 KT DE HOTO				R8216	NOT FITTE				
	< C10	ACITOR >				R8217	NOT FITTE	_			
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1011VII 7				AUE 1	NOI 111111	•			
3110	1-162-131-11	CERAMIC	220PF		10.00%	2KV R8218	NOT FITTEI	D			
3111	1-162-116-00	CERAMIC	680PF		10.00%	2KV R8219	NOT FITTE	0			
3119	1-117-662-11	PILM	0.180	•	5.00%	250V R8220	NOT FITTE	D			
3208	NOT FITTED					R8221	NOT FITTE				
8209	NOT FITTED					R8222	NOT FITTE				
8402	NOT FITTED					R8223	NOT FITTE	D			
8403	NOT PITTED					R8335			4.7K	0.5%	1/10W
B404	NOT FITTED					R8345					,
8504	1-162-966-11	CERAMIC CHIE	0.002	20F	10.00%	1		-			
B607	NOT FITTED				•	R8404	NOT FITTE				
8815	NOT FITTED					R8514	NOT FITTE	ם			
						R8515	NOT FITTE	D			
	< DIO	DE >				R8516	NOT FITTE	Ð			
						R8517	1-216-821	-11 METAL CHIP	1K	5%	1/10W
8205	NOT FITTED					R8606	NOT FITTE	D D			
8206	NOT FITTED										
8401	NOT FITTED					R860	NOT FITTE	D			
8402	NOT FITTED					R8608	NOT FITTE	Ð			
8603	NOT FITTED					R8605	NOT FITTE	D D			
						R8813	NOT FITTE	D			
8604	NOT FITTED					R8814					
8807	NOT FITTED										
						R881	NOT FITTE	ED .			
	< 001	ır >				R885					
		-				R886					
.8401	NOT FITTED					1.500					
							<	TRANSFORMER >			
	< PRO	TECTOR MODULE >									
						T880	5 NOT FITTE	ED			

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REF.NO.	PART.NO	DESCRIPTION		REMARK		REF.NO.	PART.NO	DESCRIPTION		R	EMARK	
D1 Boa	ard, Variant Part	s 36HQ100				R8215	1-218-847-11	METAL CHIP	1K		1/10	·
						R8216	1-215-459-00	METAL	39K	18	1/4W	
	< CAPAC	TITOR >				R8217	1-215-459-00	METAL	39K	1%	1/4W	
						R8218	1-215-469-00	METAL	100K	18	1/4W	
C8110	1-162-134-11	CERAMIC	470PF	10.00%	2KV	R8219	1-215-469-00	METAL	100K	1%	1/49	
C8111	1-104-332-11	CERAMIC	470PF	10.00%	2KV	İ						
C8119	1-117-663-11	PILN	0.22UF	5.00%	250V	R8220	1-216-837-11	METAL CHIP	22K	54	1/10%	ı
C8208	1-104-665-11	ELECT	100UF	20.00%	25V	R8221	1-216-833-11	METAL CHIP	10K	51	1/10%	!
C8209	1-104-665-11	ELECT	1000F	20.00%	25 V	R8222	1-215-469-00	METAL	100K	1%	1/4W	
						R8223	1-215-469-00	METAL	100K	1%	1/49	
C8402	1-130-959-91	FILM	0.04702	5.00%		R8335	1-218-869-11	METAL CHIP	8.2K	0.5%	1/10%	1
C8403	1-162-962-11	CERAMIC CHIP		10.00%								
C8404	1-136-177-00	PILM	107	5.00%		R8345	1-218-879-11	METAL CHIP	22K		1/100	
C8504	1-162-964-11	CERAMIC CHIP		10.00%		R8347	1-218-883-11	METAL CHIP	33K		1/10W	
C8607	1-126-964-11	ELECT	1007	20.00%	50 V	R8404	1-216-805-11	METAL CHIP	47	5%	1/10W	
C8815	1-162-970-11					R8514	1-216-833-11	METAL CHIP	10K	5%	1/10W	
C8912	1-102-9/0-11	CERAMIC CHIP	0.0101	10.00%	25V	R8515	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
	< DIODE	>				R8516	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
						R8517	NOT FITTED		•	••	-,	
D8205	8-719-081-97	DIODE MADL91	IT1			R8606	1-216-837-11	METAL CRIP	22K	5%	1/10W	
D8206	8-719-081-97	DIODE MADL914	IT1			R8607	1-216-837-11	METAL CHIP	22K	5%	1/10W	
D8401	8-719-110-41	DIODE RD15ESI	32			R8608	1-216-845-11	METAL CHIP	100K	51	1/10W	
D8402	8-719-991-33	DIODE 188133	r-77									
D8603	8-719-991-33	DIODE 188133	-77			R8609	1-216-837-11	METAL CHIP	22K	58	1/10W	
						R8813	1-216-864-11	SHORT CHIP	0			
D8604	8-719-991-33	DIODE 1SS1331				R8814	1-218-879-11	METAL CHIP	22K	0.5%	1/10W	
D8807	8-719-988-61	DIODE 1883557	E-17			R8815	1-218-871-11	METAL CHIP	10K	0.5%	1/10%	
	4 0077					R8859	1-216-833-11	METAL CHIP	10K	5%	1/10W	
	< COIL :	>				R8860	1-218-881-11	METAL CHIP	27K	0.5%	1 /1 00	
L8401	1-406-987-11	INDUCTOR	4.7MO			12000	1 110-001-11	MAIAL CAIF	2/1	0.31	1/108	
	z noome	CTOR MODULE >					< TRANS	FORMER >				
	(PROIN	LIUK HUUULE >				T8805	1-429-741-11	TRANSFORMER,	DRIVE			
PSB401 A	* ReitEve#	ंब <u>स्तिकार</u> के	N. O. T	pills.	100							
	< TRANS	ISTOR >					5-540-A D2 Bc 5-509-A D2 Bc					
Q8106	8-729-025-19	TRANSISTOR IN				D2 Boa	rd, Common Pa	erts				
Q8201	8-729-019-57	TRANSISTOR 2S					. 200 05/ 01	440 mm mana)				
Q8401	8-729-025-19	TRANSISTOR IN					4-382-854-01	SCREW (M3X8)	, P, SW	(+)		
Q8405	8-729-010-29	TRANSISTOR MS					< CAPAC	TROD >				
Q840 6	8-729-010-05	TRANSISTOR MS	B709-RT1				\ CAPAL	IIUR >				
Q8509	8-729-010-29	TRANSISTOR MS	D601-RST1			C6802	1-130-483-00	MYLAR	0.01UF	;	5.00%	50V
Q8510	8-729-010-05	TRANSISTOR MS	B709-RT1			C6803	1-165-176-11	CERAMIC CHIP	0.04701	! 1	LO.00%	16V
Q8601	8-729-010-29	TRANSISTOR MS	D601-RST1			C6804	1-136-813-11	FILM	680PF	:	₹00.	100V
						C6805	1-126-964-11	ELECT	10UF	2	20.00%	50V
	< RESIST	*OR >				C6806	1-104-662-91	ELECT	2207	2	£00.00	25V
R8101	1-215-895-71	METAL OXIDE	3.3K 5%	2₩		C6807	1-130-495-00	MYLAR	0.10F		5.00%	50 V
R8104	1-215-895-71	METAL OXIDE	3.3K 5%	2 W		C6808	1-126-947-11	ELECT	4709	-	800.00	
R8113	1-216-853-11	METAL CHIP	470K 5%	1/10W		C6809	1-162-966-11	CERAMIC CHIP			0.00%	
R8114	1-216-845-11	METAL CHIP	100K 5%	1/10W		C6810	1-162-115-00	CERAMIC	330PF	1	10.00%	1KV
R8118	1-249-401-11	CARBON	47 5%	1/4W		C6811	1-162-115-00	CERAMIC	330PF	1	0.00%	1KV
R8213	1-216-371-00	METAL OXIDE	1.5 5%	2W	1	C6812	1-135-946-22	FILM	47000PE	_	3%	800V
R8214	1-243-951-71	METAL OXIDE	0.68 5%	2W		C6813	1-126-967-11	ELECT	47UF	2	800.00°	50 V

Note: The components identified by shading and marked Δ are critical for safety. Replace only with the part numbers specified in the parts list.

D2

REF.NO.	PART.NO	DESCRIPTION		REMARK		REF.NO.	PART.NO	DESCRIPTION			REMARK
C5814	1-126-947-11	ELECT	470F	20.00%	35V	D6822	8-719-063-73	DIODE DINL2	OU-TR		
C6815	1-130-483-00	MYLAR	0.01UF	5.00%		D6823	8-719-911-19	DIODE 1SS11			
26816	1-126-964-11	ELECT	1007	20.00%		D6824	8-719-911-19	DIODE 18811			
6820	1-130-495-00	MYLAR	0.10F	5.00%		D6825	8-719-911-19	DIODE 18811			
6821	1-126-964-11	ELECT	10UP	20.00%		D6828	8-719-911-19	DIODE 18811			
6822	1-126-966-11	ELECT	330F	20.00%	SAV	D8919	8-719-948-45	DIODE ERA22	-08		
6823	1-126-933-11	ELECT	100UF	20.00%		D8927	8-719-991-33	DIODE 1SS13			
6824	1-113-610-11	ELECT (BLOCK		20.00%	250V	D0321	0-719-991-33	DIODE 13313.	31-11		
6825	1-130-495-00	MYLAR	0.1UF	5.00%		1	, pon	RITE BEAD >			
:6826	1-126-969-11						(PARI	KITE DEAD >			
0020	1-120-303-11	ELECT	220UF	20.00%	2VV	FB6801	1-412-911-11	PERRITE	OUE		
6827	1-137-150-11	FILM	0.01UF	5.00%	1000	100001	1-412-911-11	PERKITE	UUE		
6834	1-157-150-11			10.00%			< IC :				
	1-127-715-91	CERAMIC CHI				1	< 1C 3	•			
6835		CERAMIC CHI		10%	16V						
6836	1-136-497-81	FILM	0.10F	5.00%		IC6801	8-759-700-07	IC NJM2903M			
6837	1-136-103-00	PILM	0.102	5.00%	200V	IC6802	8-759-701-01	IC HJM2904M			
***						IC6803	8-759-462-09	IC TLV431AII			
6840	1-130-495-00	MYLAR	0.10F	5.00%		IC6807	8-759-586-17	IC TL1431CE	-AP		
6842	1-130-471-00	MYLAR	0.001UF	5.00%	50 V						
6843	1-135-945-22	FILM	10000PF	31	800V		< COII	; >			
6848	1-126-963-11	ELECT	4.702	20.00%							
6849	1-162-962-11	CERAMIC CHI	2 470PP	10.00%	50V	L6802	1-419-658-41	INDUCTOR	1070	JE	
6850	1-107-826-11	CERAMIC CHI	P 0.107	10.00%	16V		< TRAI	ISISTOR >			
6851	1-107-826-11	CERANIC CHI	0.10F	10.00%	16V						
6852	1-162-970-11	CERAMIC CHI	0.010 P	10.00%	25V	Q6801	8-729-901-81	TRANSISTOR 2	2SC2412E	-T-14	6-R
6853	1-126-933-11	ELECT	100UF	20.00%	16V	Q6802	8-729-901-81	TRANSISTOR 2	2SC2412E	-T-14	6-R
8929	1-107-960-11	ELECT	4.70F	20.00%	250V	Q6803	8-729-120-28	TRANSISTOR 2	2SC1623-	L5L6	
						Q6804	8-729-044-42	TRANSISTOR 1	IRFI 644G	-LF36	
8930	1-136-535-91	PILM	0.0018UF	5.00%	630V	Q6805	8-729-044-42	TRANSISTOR I			
8932	1-136-205-11	MYLAR	0.022UF	5.00%	630V	1					
8939	1-162-129-00	CERAMIC	150PF	10.00%	2KV	Q6807	8-729-120-28	TRANSISTOR 2	SC1623-	L5L6	
8944	1-137-150-11	FILM	0.01UF	5.00%	100V	06808	8-729-120-28	TRANSISTOR 2			
945	1-126-947-11	ELECT	470F	20.00%	35V	Q6813	8-729-424-02	TRANSISTOR 2	SB709A-	ORS-TI	K
						Q6814	8-729-027-43	TRANSISTOR I		-	
	< CONN	ECTOR >				Q6815	8-729-424-02	TRANSISTOR 2			
16800	* 1-564-511-11	PLUG, CONNEX	TOR SP			Q6816	8-729-027-43	TRANSISTOR I	WC114PK	3 - P1 & I	•
N6801	* 1-691-772-11	PLUG (MICRO		10P		Q6817	8-729-424-02	TRANSISTOR 2			
		(Q8909	6-550-012-01	TRANSISTOR S		-	
	< DIODI	•>				Q8918	1-801-806-11	TRANSISTOR D			,
6800	8-719-052-90	DIODE DINLAG	-TA2				< RESI	STOR >			
6801	8-719-110-41	DIODE RD15ES									
6802	8-719-110-41	DIODE RD15ES				JR8953	1-216-864-11	SHORT CHIP	0		
6803	8-719-911-19	DIODE 188119				1	11	ouoni cuir	٧		
6804	8-719-081-97	DIODE MMDL91				R6801	1-216-841-11	METAL CHIP	47K	5%	1/10W
	****	remuii				R6802	1-216-849-11	METAL CHIP	220K		1/10W
5806	8-719-109-85	DIODE RD5.1E	SR2			R6803	1-216-849-11	METAL CHIP	4.7K		1/10W
811	8-719-911-19	DIODE 1SS119				R6805	1-215-481-00	METAL CHIP	4.7K		1/10W
813	8-719-911-19	DIODE 155119				1					
1017						R6806	1-215-481-00	METAL	330 x	1.8	1/4W
6914	8-719-982-21	DIODE MTZJ-3									. /
		DIODE 1SS119	-43			R6807 R6808	1-215-481-00 1-211-981-11	METAL METAL CHIP	330K 33		1/4W 1/10W
	8-719-911-19						1 414 701 11	sment titl			A/ LUM
815		מול מתמות	R2			B6800	1-219-923-11				
6815 6816	8-719-110-41	DIODE RD15ES				R6809	1-218-823-11	METAL CHIP	100	0.5%	1/10W
6814 6815 6816 6817 6820		DIODE RD15ES DIODE D1NL20 DIODE MTZJ-1	U-TR			R6809 R6810 R6811 A	1-218-823-11 1-249-417-11 1-202-933-61				

Note: The components identified by shading and marked ∆ are critical for safety. Replace only with the part numbers specified in the parts list.

D2

REF.NO.	PART.NO	DESCRIPTION		R	EMARK	REF.NO.	PART.NO	DESCRIPTION		F	REMARK
R6812	1-218-869-11	METAL CHIP	8.2K		1/10W	R8990	1-216-845-11	METAL CHIP	100K	5%	1/10W
R6813	1-249-393-11	CARBON	10	5%	1/4W	R8991	1-216-837-11	METAL CHIP	22K	5%	1/10W
R6814	1-249-393-11	CARBON	10	5%	1/4W	j					
R6815	1-216-833-11	METAL CHIP	10K	5%	1/10W	1	< RESI	STOR VARIABLE >			
R6816	1-216-833-11	METAL CHIP	10K	5%	1/10W	Ì					
						RV6800	1-241-763-11	RES, ADJ, CE	RMET 4.	7 x	
6817	1-243-979-21	METAL OXIDE	0.1	5%	2₩						
6818	1-249-389-11	CARBON	4.7	5%	1/4W		< SPAR	K GAP >			
6820	1-216-837-11	METAL CHIP	22K	5€	1/10W						
6821	1-216-837-11	METAL CHIP	22K	5%	1/10W	SG6800	1-517-499-21	GAP, SPARK			
6822	1-216-809-11	METAL CHIP	100	5₺	1/10W						
6823	1-247-843-11	CARBON	3.3K	E 4	1/49		< TRAN	SPORMER >			
6828	1-218-895-11	METAL CHIP	100K	0.5%	1/10W	TOTAL SE	(4391-1715V)	The second second	200025	114.30	and the same
6829	1-216-841-11	METAL CHIP	47K	5%	1/10W	T8901	1-437-690-11	TRANSFORMER,			
6832	1-216-841-11	METAL CHIP	47K	5%		10901	1-437-690-11	INMSTUREN,	1 PART 1	a (UZ.	1)
6834	1-216-841-11	METAL CHIP	47K	58	1/10W 1/10W	D2 Boa	rd, Variant Par	ts 32HO100			
		7017M WILL	***	••	1/10#						
6835	1-215-423-00	METAL		18	1/4¥		< CAPA	CITOR >			
6836	1-215-441-00	METAL		1%	1/4W						
6839	1-215-439-00	METAL		18	1/4W	C8938	NOT FITTED				
6844	1-218-875-11	METAL CHIP	15K		1/10W						
6845	1-218-855-11	METAL CHIP	2.2K	0.5%	1/109		< IC >				
6846	1-218-868-11	METAL CHIP	7.5K	0.5%	1/10W	IC6800	8-759-670-30	IC MCZ3001D			
6847	1-218-847-11	METAL CHIP	110		1/10W						
6848	1-216-817-11	METAL CHIP	470	51	1/10%	1	< COIL	>			
6852	1-216-845-11	METAL CHIP	100K	5%	1/10W	-					
16865	1-216-835-11	METAL CHIP	15K	5%	1/10W	L8901	1-406-675-11	INDUCTOR	4.78	Œ	
6867	1-216-809-11	METAL CHIP	100	54	1/10W	j	< RESI	erne >			
6868	1-216-797-11	METAL CHIP	10	5%	1/10W		1,1102	D100 >			
6869	1-216-833-11	METAL CHIP	10K	5%	1/10W	R6825	1-218-899-11	METAL CHIP	150K	0.58	1/16W
6870	1-216-849-11	METAL CHIP	220K	5¥	1/10W	R6827	1-218-883-11	METAL CEIP	33K	0.5%	
6872	1-249-377-11	CARBON	0.47		1/4W	R6837	1-215-439-00	METAL	5.6K		1/4W
00,2	2 245-511-12	CARDON	V.47	J.	1/40	R6838	1-215-439-00	METAL	5.6K		1/4W
6873	1-249-431-11	CARBON	15K	5%	1/4W	R6840	1-215-439-00	METAL	5.6K		1/4W
6874	1-218-903-11	METAL CHIP	220K	0.5%	1/10W		1 113 133 00	NOTHE	J. VI	**	1/34
6875	1-216-863-11	METAL CHIP	3.3M	5%	1/10#	R6841	1-218-847-11	METAL CHIP	1K	0.53	1/10W
6876	1-215-485-00	METAL	470K	18	1/4W	R6843	1-218-845-11	METAL CHIP	820	0.5%	1/10W
6877	1-215-485-00	KETAL		18	1/4W	R8949	1-243-617-71	METAL OXIDE	8.2K	5%	1/10W
	1 113 403 00	HEIM	TIVA	**	1/48	R8950	1-243-617-71	METAL OXIDE	8.2K	5%	3¥
6878	1-216-821-11	METAL CHIP	1K	5%	1/10W	R8951	1-243-617-71	METAL OXIDE	8.2K	5%	3W
6880	1-219-751-51	METAL	47K	5%	1/2W	10752	1 113 017 11	MILITAL VALUE	V. Z.B.	50	Jn
6881	1-219-749-51	METAL	10K	5%	1/2W	R8952	1-243-617-71	METAL OXIDE	8.2K	5%	3W
6882	1-216-841-11	METAL CHIP	47K	5%	1/2W	R8954	1-260-123-11	METAL OXIDE	100K	5%	1/20
6883	1-211-985-11	METAL CHIP	47	0.5%	1/10W	R8955	1-260-123-11	METAL OXIDE	100K	5%	1/2W
	1 221-703-11	BELLIN CELL	•	v.31	2/ 1VM	R8956	1-260-123-11	METAL OXIDE		5%	1/2W
6884	1-218-874-11	METAL CHIP	13K	0.5%	1/10W	R8998	1-243-617-71	METAL OXIDE	8.2K		3W
6885	1-216-841-11	METAL CHIP	47K	5%	1/10W						J -
6887	1-249-411-11	CARBON	330	5%	1/4W	D2 Boa	rd, Variant Par	ts 36HQ100			
6895	1-216-809-11	METAL CHIP	100	5%	1/4H 1/10W	3-200					
6896	1-216-839-11	METAL CRIP	33K	5%	1/10W		< CAPA	CITOR >			
R6897	1-216-853-11	METAL CEIP		5%	1/10W	C8938	1-162-129-51	CERAMIC	150PF		10.00% 2KV
16899	1-216-839-11	METAL CHIP	33K	5%	1/10W						
8957	1-218-847-11	METAL CHIP	1K	0.5%	1/10W		< IC >				
0000	1-260-123-11	CARBON	100K	5%	1/2W						
18988 18989		G L L L			-/	IC6800	8-759-670-30	IC MCZ3001D			

Note: The components identified by shading and marked ∆ are critical for safety. Replace only with the part numbers specified in the parts list.



.8901 .8901 .86825 .66827 .66828 .66840 .86841 .86843	COIL 1-406-674-11 < RESIS NOT FITTED 1-218-889-11 1-215-441-00 1-215-441-00 1-215-441-00	INDUCTOR	6.8X	0.5%	1/10₩		C6025 C6026 C6027 C6028 C6029	1-164-625-11 1-164-625-11 1-164-625-11 1-100-197-11 1-100-197-11 1-126-944-11	CERAMIC CERAMIC CERAMIC ELECT ELECT ELECT	680PF 680PF 680PF 15000UF	10.00% 10.00% 10.00% 20%	500V
16825 16827 16837 16838 16840 16841 16643	< RESIS NOT FITTED 1-218-889-11 1-215-441-00 1-215-441-00	STOR > METAL CHIP METAL METAL	56K 6.8K	0.5%	1/10W		C6027 C6028 C6029	1-164-625-11 1-100-197-11 1-100-197-11	CERAMIC ELECT ELECT	680PF 15000UF 15000UF	10.00% 20% 20%	500V 16V
6825 6827 6837 6838 66840 66841 86843	< RESIS NOT FITTED 1-218-889-11 1-215-441-00 1-215-441-00	STOR > METAL CHIP METAL METAL	56K 6.8K	0.5%	1/10W		C6028 C6029	1-100-197-11 1-100-197-11	ELECT	15000UF 15000UF	20% 20%	167
6825 6827 6837 6838 66840 66841 86843	NOT FITTED 1-218-889-11 1-215-441-00 1-215-441-00 1-215-441-00	metal chip metal metal	6.8X		1/10W		C6029	1-100-197-11	ELECT	15000DF	20%	
16827 16837 16838 16840 16841 16843	NOT FITTED 1-218-889-11 1-215-441-00 1-215-441-00 1-215-441-00	metal chip metal metal	6.8X		1/10W							16V
6827 6837 6838 6840 6841 6843	1-218-889-11 1-215-441-00 1-215-441-00 1-215-441-00	METAL METAL	6.8X		1/10W		C6030	1-126-944-11	FLECT	22445		
R6827 R6837 R6838 R6840 R6841 R6843	1-218-889-11 1-215-441-00 1-215-441-00 1-215-441-00	METAL METAL	6.8X		1/10W					3300 UF	20.00%	25V
16837 16838 16840 16841 16843	1-215-441-00 1-215-441-00 1-215-441-00	METAL METAL	6.8X				C6031	1-126-944-11	ELECT	3300UF	20.00%	
16838 16840 16841 16843 18949	1-215-441-00 1-215-441-00	METAL		T.£	1/4W	!	C6032 A	1-113-927-11	CERAMIC .	0.01UF		250V
16840 16841 16843 18949	1-215-441-00		D.DA	1%	1/4%		C6033	1-162-964-11	CERAMIC CHIP	0.001UF	10.00%	50V
k6843 k8949			6.8K		1/4W		C6034	1-162-968-11	CERAMIC CHIP	0.0047UF	10.00%	50 V
k6843 k8949		METAL CHIP	560	0.59	1/10%		C6035	1-136-497-81	FILM	0.1UF	5.00%	50V
R8949	1-218-841-11	METAL CHIP	1K	0.5%	1/10W		C6036	1-136-479-11	FILM	0.001UF	5.00%	1000
	1-218-847-11		4.7K		3W		C6037	1-126-947-11	ELECT	470P	20.00%	35V
	1-243-614-71	METAL OXIDE			3W		C6038	1-164-645-11	CERAMIC	1000PF	10.00%	
R8950 R8951	1-243-616-71 1-243-614-71	METAL OXIDE	6.8K		3W		C6039	1-125-891-11	CERAMIC CEIP		10.00%	
									0703117A 0777	A 2200	10.00%	250
R8952	1-243-614-71	METAL OXIDE	4.7K		3W		C6040	1-115-340-11	CERAMIC CHIP		10.00%	
RB954	1-243-719-71	METAL OXIDE	33K	5%	1N		C6045	1-115-339-11				
R8955	1-243-719-71	METAL OXIDE	33K	5%	18		C6102	1-126-943-11	ELECT	2200UF	20.00% 20.00%	
R8956	1-243-725-71	METAL OXIDE	100K		1W		C6103	1-126-971-11	ELECT	470UF 10UF	20.00%	
R8998	1-243-614-71	METAL OXIDE	4.7K	5%	3W		C6105	1-126-964-11	ELECT	7002	20.00%	204
		ard, Complete ard, Complete					C6106	1-126-964-11	ELECT	100F	20.00%	50V
				-				< CONT	NECTOR >			
G Board	d, Common Pa	irts					74600	whenenener	- Fill (0.014)		(d) (d)	
	4-382-854-01	SCREW (M3X8)	, P, S	i (+)				- को निहे				
							315041		Tall 137 18 1 to	777		
	< CAPA	ACITOR >					PENER.	Sagnation.	171 / T. E.			
		, with the control of	,			graphs .	CN6005	* 1-817-037-61	PLUG CONNEC	OR 6P		
	elsabel. Velsaber	5.40	n Nie. Nie in Nie.			45		* 1-564-516-11	PLUG. CONNE	~ 00 120		
7717	alle ei	an annual very			eroul.		CN6006				áistí tás itt. The	· Secretary
	abile si				30.00	OK NOT		ANG 12151	W. FO. COMP.		ke ka maa in	- 1
***************************************	1-117-753-11	ELECT (BLOCK)			20.00%		CN6008	1-816-982-71	PLUG, CONNE			
C6006	1-117-755-11	ELECT (BLOCK)	4 / 002		20.00%	4307	CN6010 CN6013	* 1-564-511-11 * 1-816-974-51	PLUG, CONNE PLUG, CONNE			
C6007	1-126-964-11	ELECT	100 P		20.00%	50V	CM0013	- 1-010-3/4-31	race, comma	JIVIN JI		
C6008	1-126-963-11	ELECT	4.7UF		20.00%	50 V	CN6014	1-695-915-11	TAB (CONTAC	r)		
C6010	1-136-497-81	FILM	0.100	•	5.00%		CN6015	1-695-915-11	TAB (CONTAC	T)		
C6011	1-162-964-11	CERAMIC CHIE			10.00%							
Of the Party	1.2数以及1026		180			MY CO		< DIC	DE >			
	e e (Cenici)	$(i\pi)^{-1}V(4)U^{\frac{1}{2}}$	推炼的	iji ki	MI KWI	(II)	D6001	6-500-067-01	DIODE GSIB4	60L/45		
C6015		ELECT (BLOCK)			20%	250 V	D6002	8-719-982-26	DIODE MTZJ-	33B		
C6014	1-113-610-11		P 0.1UF	?	10.00%	50V	D6004	8-719-979-64	DIODE UF400	5PKG23		
	1-113-610-11 1-115-339-11	CERAMIC CHI		THE RESIDENCE OF	874078H	200	D6008	8-719-063-70	DIODE DINL2	00		
C6014 C6015		STATE OF STREET	380		The second							
C6014 C6015 C6016	1-115-339-11	5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	380		10 001	25V	D6009	8-719-110-41	DIODE RD15E	SB2		
C6014 C6015 C6016	1-115-339-11 1115-739-11	5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	380	Little .	CONTRACTOR OF THE PARTY OF THE			8-719-110-41 8-719-085-24	DIODE RD15E			
C6014 C6015 C6015	1-115-339-11 	GANTIE GANTIE	3 8 0 <u>9</u> 1 8 00		10.001	35V	D6010	8-719-085-24		D7M1-B		
C6014 C6015 C6015 C6017	1-115-339-11 106-57-51 106-571-51 1-126-949-11	EINECL	220UI	5664 ! !!	20.00	35V	D6010 D6011	8-719-085-2 4 8-719-033-12	DIODE FBIU	D7M1-B		
C6014 C6015 C6015 C6017 C6018 C6019 C6020	1-115-339-11 -10(-57(-5) -510(-57(-5)) 1-126-949-11 1-164-645-11	ELECT CERAMIC	22001 10001	F PF OPF	20.00% 10.00%	35V 500V 800V	D6010 D6011 D6012	8-719-085-2 4 8-719-033-12 8-719-033-12	DIODE FBIU4	D7M1-B F		
C6014 C6015 C6017 C6017 C6018 C6019	1-115-339-11 -106-51-51 -106-51-51 -106-51-51 1-126-949-11 1-164-645-11 1-135-946-22	ELECT CERANIC FILM	220UI 1000I 4700I	F PF OPF PF	20.00% 20.00% 10.00% 3%	35V 500V 800V 500V	D6010 D6011	8-719-085-2 4 8-719-033-12	DIODE FBIU4 DIODE S3140 DIODE S3140	D7M1-B F C09RF122		
C6014 C6015 C6017 C6017 C6018 C6019 C6020 C6021	1-115-339-11 -104-57-11 -104-57-11 1-126-949-11 1-164-645-11 1-135-946-22 1-164-645-11	ELECT CERAMIC FILM CERAMIC	22001 10001 47000 10001	F PF DPF PF F	20.00% 10.00% 3% 10.00%	35V 500V 800V 500V	D6010 D6011 D6012 D6014	8-719-085-24 8-719-033-12 8-719-033-12 8-719-083-92	DIODE FBIU4 DIODE S3140 DIODE S3140 DIODE YG802 DIODE FMB-2	D7M1-B F P C09RF122		



REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION		F	REMARK
D6036	8-719-081-97	DIODE MMDL914T1		R6008	1-243-979-21	METAL OXIDE	0.1	5%	2W
06101	8-719-081-97	DIODE MMDL914T1		R6009	1-216-687-11	METAL CHIP	33K	0.5%	1/10W
06102	8-719-511-40	DIODE S1VB40		R6010	1-215-481-00	METAL	330K	18	1/4%
06103	8-719-081-97	DIODE MMDL914T1			1-218-265-11	METAL	1.24	51,	10
D6104	8-719-081-97	DIODE MODL914T1		R6014	1-243-624-21	METAL OXIDE	33K	58	- 3W
6105	8-719-081-97	DIODE MEDL914T1		R6015	1-208-757-11	METAL CHIP	91	0.5%	1/10W
6106	8-719-081-97	DIODE MMDL914T1		R6021	1-243-946-21	METAL OXIDE	0.27	5%	21
6107	8-719-081-97	DIODE MMDL914T1		R6022	1-216-833-11	METAL CHIP	10K	5%	1/10W
				R6024	1-216-615-11	METAL CHIP	33	0.5%	1/10W
	< FERR	ITE BEAD >		R6028	1-249-389-11	CARBON	4.7	5%	1/4W
FB6001	1-410-397-21	FERRITE 1.1UH		R6029	1-216-833-11	METAL CHIP	10K	5%	1/10W
7B6002	1-410-397-21	PERRITE 1.1UH		R6030	1-216-817-11	METAL CHIP	470	5%	1/10W
PB6003	1-410-397-21	PERRITE 1.1UE		R6032	1-249-417-11	CARBON	1.K	5%	1/4W
FB6004	1-410-397-21	FERRITE 1.1UH		R6033	1-215-481-00	METAL	330X	14	1/4W
	< IC >			R6035	1-260-083-11	CARBON	47	5%	, 1/2¥
				R6036	1-216-817-11	METAL CRIP	470	5%	1/10W
IC6001	8-754-670-30	IC MCZ3001D		R6037	1-249-405-11	CARBON	100	51	1/4W
IC6003	8-749-016-19	IC SE135M-LF4		R6038	1-208-830-11	METAL CHIP	100K	0.5%	1/10W
				R6039	1-208-830-11	METAL CHIP	100K	0.5%	1/10W
	< 00IT	>		R6040	1-208-814-91	METAL CHIP	22K	0.5%	1/10W
6001	1-406-663-21	INDUCTOR 47UH		R6042	1-216-295-91	SHORT CHIP	0		
6002	1-412-521-31	INDUCTOR 4.70H		R6045	1-216-639-11	METAL CHIP	330	0.5%	1/10W
16003	1-412-521-31	INDUCTOR 4.70H		R6047	1-216-681-11	METAL CHIP	18K	0.5%	1/10W
6006	1-406-659-11	INDUCTOR 10UH		R6048	1-215-481-00	METAL	330X	1%	1/4W
.6007	1-412-525-31	INDUCTOR 10UE		R6049	1-208-805-11	METAL CHIP	9.1K	0.5%	1/10W
16008	1-406-670-11	INDUCTOR 680UE		R6050	1-208-758-11	METAL CHIP	100	0.5%	1/10W
				R6054	1-216-615-11	METAL CHIP	33	0.5%	1/10W
	< PHOTO	COUPLER >		R6056	1-216-295-91	SHORT CHIP	0		
	8 87 to 17 2 7 2 2 2	Value of the Control		R6101	1-216-821-11	METAL CHIP		5€	1/10W
HOUL A	SECTION STATES	Contract to		R6102	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
	< TRANS	ISTOR >		R6103	1-216-821-11	METAL CHIP	18	58	1/10W
caaa				R6104	1-216-821-11	METAL CHIP	1K	5%	1/10W
6003	8-729-010-29	TRANSISTOR MSD601-RST1		R6105	1-216-821-11	METAL CHIP	18	5%	1/10W
6006 6007	6-550-698-01	TRANSISTOR SPACENSOC3-E		R6106	1-216-829-11	METAL CHIP		5%	1/10W
6101	6-550-698-01	TRANSISTOR SPA08N50C3-E	8152	R6107	1-216-829-11	METAL CRIP	4.7K	5%	1/10W
6102	8-729-029-56 8-729-010-29	TRANSISTOR DTA144ESA TRANSISTOR MSD601-RST1							
0102	0-723-010-23	INMUSTRION MEDICAL-KRIT		R6108	1-216-821-11	METAL CHIP		5%	1/10W
6103	8-729-029-56	TRANSISTOR DTA144ESA		R6109 R6110	1-216-829-11	METAL CHIP		5%	1/10W
6104	8-729-010-29	TRANSISTOR MSD601-RST1		YOTTO	1-216-821-11	METAL CHIP	1K	58	1/10W
6105	8-729-010-29	TRANSISTOR MSD601-RST1			< RELAY	:>			
	< RESIST	MOR >		PYCOAT TY	1-755-395-11	DOTAL INC.	- Politica	: Congress	
					1-755-389-11				(18)
R6002 R6004	1-216-295-91 1-216-295-91	SHORT CHIP 0 SHORT CHIP 0			/ mn====	PODMED >			
	· · · · · · · · · · · · · · · · · · ·	No. 100 of property of property of the second of the secon			< TRANS	FORMER >			
6003 △ 6004 △	1-202-933-61 1-205-998-11	FUSIBLE 0.1 10%	1/2W 3	The state of the	1-431-402-11	TRANSPORMER,			
6005 A	1-205-998-11	CEMENTED 1 51	4 1	1	1-437-850-12	TRANSFORMER,			T)
6006 A	1-205-998-11	CENTRAL 1 EQ	10W 10W	T6003 A		TRANSFORMER,			
6007	1-243-990-11	METRI OVIDE 0 1 53	10M	T6101 A	1-437-483-11	TRANSFORMER,	STANDBY		

Note: The components identified by shading and marked △ are critical for safety. Replace only with the part numbers specified in the parts list.



REF.NO.	PART.NO	DESCRIPTION			REMARK	REF.NO.	PART.NO	DESCRIPTION		REMARK	
	< THER	MISTOR >				* A-1	405-508-A VM B	oard, Comp	olete		
TH6002	▲ [1-804-650-11]	THERMISTOR,	Positi	VR .			4-382-854-01	SCREW (M3)	(8), P, SW (+)	
G Boa	ord, Variant Parts	32HQ100					< CAPAC	CITOR >			
	< CAPAC	CITOR >				C7400	1-107-883-11	ELECT	330UF	20.00%	16V
						C7401	1-126-935-11	ELECT	470UF	20.00%	16V
C6005	1-216-965-91	ELECT	22UF		20.00% 50V	C7402	1-137-150-11	PILM	0.01UF	5.00%	
						C7403	1-104-655-91	ELECT	470UF	20.00%	
	< DIODE	·>				C7405	1-126-933-11	ELECT	100UF	20.00%	
06006	8-719-081-97	DIODE MMDL9	£ ₹1			C7406	1-104-655-91	ELECT	470UF	20.004	
D6007	8-719-081-97	DIODE MADL9				C7407	1-107-364-11	MYLAR	0.01UF	20.00%	
	0 123 002 31	DIODE MEDIT	***			C7408	1-107-364-11	MYLAR		10.00%	
	< TDANS	ISTOR >				. ,			0.01UF	10.00%	
	/ 110MG	113141 >				C7409	1-107-649-11	ELECT	2.207	20.00%	
6005	8-729-029-56	TRANSISTOR I	PR14/PC	,,		C7410	1-130-471-00	MYLAR	0.001UF	. 5.00¥	50V
6010	8-729-119-78	TRANSISTOR 2									
Santo	0-123-113-18	IRANSISION 2	302/83*	-nra		C7411	1-130-471-00	MYLAR	0.001UF	5.00%	
	4 00070	man .				C7412	1-126-935-11	RLECT	470UF	20.00%	
	< RESIS	TUR >				C7413	1-126-935-11	ELECT	4700F	20.00%	
C01 C	1 01/ 001 11					C7414	1-107-652-11	ELECT	1007	20.00%	
6016	1-216-821-11	METAL CRIP	1K	5%	1/10W	C7415	1-107-363-91	MYLAR	0.006807	10.00%	200V
16017	1-216-833-11	METAL CHIP	10K	5%	1/10V						
6018	1-247-895-91	CARBON	470K		1/49	C7417	1-102-514-11	CERAMIC	22PF	5.00%	50V
R6019	1-247-891-00	CARBON	330K		1/4W	C7418	1-101-880-00	CERAMIC	47PF	5.00%	50V
6020	1-216-820-11	METAL CHIP	820	5%	1/10W		< CONNE	7807			
R6057	1-208-798-11	METAL CHIP	4.7K	0.5%	1/10W		COMME	CTOR >			
G Boa	rd, Variant Parts	36HQ100				CN7401	1-564-510-11	PLUG, CORN			
G 500	ra, variant rants	30/10/100		_		C#7402	* 1-564-506-11	PLUG, CONN			
	< CAPAC	TROD \				CN7403	* 1-564-506-11	PLUG, COMM			
	\ CREMU	IIOR >				CN7404	* 1-770-747-11		BOARD TO BOA	RD 12P	
6005	NOT FITTED					CN7405	* 1-564-506-11	PLUG, CONN	ECTOR 3P		
	< DIODE	>					< DIODE	>			
						D7400	8-719-991-33	DIODE 1SS1	33 T -77		
6006	NOT FITTED					D7401	8-719-510-02	DIODE DINS	4		
6007	NOT FITTED					D7402	1-535-303-00	LEAD, JUMP	ER (5.0MM)		
						D7403	8-719-991-33	DIODE 1881			
	< TRANS	ISTOR >				D7404	8-719-991-33	DIODE 1881			
6005	NOT FITTED					D7405	8-719-924-11	DIODE MTZJ			
26010	NOT FITTED					D7406	8-719-924-11	DIODE MIZJ			
	< RESIST	TOR >					< FERRI	TE BEAD >			
6016	NOT FITTED										
6017	NOT FITTED					FB7400	1-535-303-00	LEAD, JUMPI			
6018	NOT FITTED					FB7401	1-535-303-00	LEAD, JUMPI	ER (5.0MM)		
6019	NOT FITTED										
.6020							< COIL :	>			
.0020	NOT FITTED										
16057	NOT FITTED					L7400	1-410-784-41	INDUCTOR	0.18UH		
0031	not titien					L7401	1-414-930-21	INDUCTOR	2.20H		
							< TRANS	ISTOR >			
						Q7400	8-729-119-78	TRANSISTOR	2SC2785-EFE		
						1	3 .22 222 /6	3142-014VN			

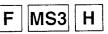
R6007 1-243-979-21 METAL OXIDE 0.1 5% 2W

Note: The components identified by shading and marked Δ are critical for safety. Replace only with the part numbers specified in the parts list.



REF.NO.	PART,NO	DESCRIPTION		REMARK	REF.NO.	PART.NO	DESCRIPTION		REMARK	
Q7401	8-729-119-78	TRANSISTOR 25	C2785-HF	E		< CONT	ECTOR >			
07402	8-729-119-78	TRANSISTOR 25								
07403	8-729-119-78	TRANSISTOR 25	C2785-HF	E	CN6300 A	A * 1-580-843-11	PIN, CONNECT	OR (POWER)		. N
07404	8-729-026-39	TRANSISTOR 25	SASSEAS	T	CN6301	1-695-915-11	TAB (CONTACT	?)		
Q7405	8-729-026-39	TRANSISTOR 25	-		CN6302 A	A * 1-691-291-11	PIN, CONNECT	OR (PC BOARD) 5P	- 1 - 1
-										
Q7406	8-729-045-05	TRANSISTOR 2	SA2005			< DIO	E >			
Q7407	8-729-045-04	TRANSISTOR 2	SC5511		1					
Q7408	8-729-026-39	TRANSISTOR 2	9-2A666A3	Ť	D500	8-719-109-89	DIODE RD5.6E			;
Q7409	8-729-119-78	TRANSISTOR 2	SC2785-HF	E	D501	6-500-166-01	DIODE L-59SF			
					D502	8-719-109-89	DIODE RD5.6E	ESB2		
	< RES	ISTOR >				< FUSE	• •			
R7401	1-247-843-11	CARBON	3.3K 5	1/4W	P6300 2	1-576-232-21	PUSE (E.B.C.	38-5A/250V		羅
R7402	1-249-413-11	CARBON	470 5			1-533-725-11				
R7403	1-249-393-11	CARBON		% 1/4W						
R7404	1-249-420-11	CARBON	1.8K 5			< IC >	•			
R7405	1-249-425-11	CARBON	4.7K 5		1					
					IC500	8-742-180-30	HYB IC SBX30	81-51 (30)		
R7406	1-249-425-11	CARBON	4.7% 5	1/4W						
R7407	1-249-399-11	CARBON	33 5	% 1/4W]	< Trai	SISTOR >			
R7408	1-247-807-31	CARBON	100 5	% 1/4W	1					
R7409	1-249-409-11	CARBON	220 5	% 1/4W	Q500	8-729-027-38		TA144EKA-T14	-	
R7410	1-249-401-11	CARBON	47 5	% 1/4W	Q501	8-729-027-43	TRANSISTOR I	TC114EKA-T14	16	
D7414	1 040 401 11	AT D D AN	,, ,	1//9		/ DEC	(STOR >			
R7411	1-249-401-11	CARBON		\$ 1/4W		< RE3.	1210K >			
R7412	1-249-429-11	CARBON		% 1/4W	R500	1-216-825-11	METAL CHIP	2.2K 5%	1/10W	
R7413 R7414	1-249-414-11	CARBON CARBON		4 1/4W 4 1/4W	R501	1-216-813-11	METAL CHIP	220 5%	1/10W	
R7415	1-260-316-51	CARBON		1/4W 1/2W	R502	1-216-809-11	METAL CHIP	100 5%	1/10W	
K/413	1-260-316-31	CARDON	100 3	15 1/2H	R502	1-216-841-11	METAL CHIP	47K 5%	1/10W	
R7416	1-249-388-11	CARBON	3.9 5	t 1/4W	R504	1-216-813-11	METAL CHIP	220 5%	1/10W	
R7417	1-249-432-11	CARBON		1/4W	2504	1 110 013 11	anian carr	220 34	1/108	
R7418	1-249-414-11	CARBON		1/4W	R505	1-216-829-11	METAL CEIP	4.7K 5%	1/10W	
R7419	1-249-421-11	CARBON	2.2K 5		R506	1-216-815-11	METAL CHIP	330 5%	1/10W	
R7420	1-249-421-11	CARBON	2.2K 5	•		201510	Section of	-300 300 S		
				-,	2224	2.76. A 2.75. A 2.75. A 2.75.	The Sandanger Sare The	. Company of the State of the S	Carried Sections 1997 - 12	
R7421	1-249-386-11	CARBON	2.7 5	\$ 1/4W		< SWIT	CE >			
R7422	1-249-405-11	CARBON	100 5	4 1/4W						
R7423	1-215-915-11	METAL OXIDE	470 5	₹ 3W	66300	ं वर्गावास्त	in a spirit	H(1-3 (110)		
R7425	1-535-303-00	LEAD, JUMPER	(5.09ms)							
R7427	1-249-401-11	CARBON	47 5	4 1/4W	F Boar	d, Variant part	s 32HQ100			
77426	1 040 410 44	annon.	470 -	s. 1/4m						
R7428	1-249-413-11	CARBON		\$ 1/4W	A501	NOT FITTED				
R7429	1-249-413-11	CARBON		% 1/4W			ACTEON >			i
R7430 R7432	1-249-417-11 1-249-415-11	CARBON CARBON		4 1/4W 4 1/4W		< CAP	ACITOR >			l
R7432	1-249-415-11	CARBON		4 1/4W	C6300	NOR TIMETO				1
K/433	1-243-400-11	CARDON	39 .	1) 1/1H	C0300	NOT FITTED				
R7434	1-249-395-11	CARBON	15 5	4 1/4W		< CORT	RECTOR >			
	05-851-A FBc				CN500	* 1-564-507-11	PLUG, CONNE	CTOR 4P		
* A-14	105-512-A F Bo	ard, Complete	36HQ1	00		, mn	ISTOR >			
F Boa	rd, Common Pa	arts								
	< CAP	ACITOR >			VD6300	A 1-804-995-11	VARISTOR		20-10-10-10-10-10-10-10-10-10-10-10-10-10	252
C500	1-126-969-11	ELECT	220UF	20.00% 50V						
C300	1-120-303-11	EMBLI	22001	20.00% 300						

Note: The components identified by shading and marked A are critical for safety. Replace only with the part numbers specified in the parts list.



	specified in the parts	list.				L				
REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION		RE	MARK	
F Boa	rd, Variant parts 3	36HQ100		D716	8-719-421-69	DIODE MA133				
				D717	8-719-421-69	DIODE MA133				
A501	4-205-711-01	HOLDER, LED								
					< FERR	TE BEAD >				
	< CAPACI	TUR >		-m201	1-414-921-11	FERRITE	OUH			
05300	1-113-924-11	CERAMIC 0.0047UF	20.00% 250V	FB701	1-414-921-11	FERRITE	OUE			
C6300	1-113-324-11	CERMITC 0.004/01	20.000 2000	FB702	1-414-921-11	FERRITE	OUR			
	< CONNEC	TOR >		FB704	1-414-921-11	PARKETE	VVIII			
					< IC >					
CN500	* 1-564-519-11	PLUG, CONNECTOR 4P								
				10701	8-759-639-86	IC SN65LVDS32	2DR			
	< VARIST	TOR >		IC702	6-701-763-11	IC DS90LV017	ATMX			
					8-759-698-08	IC SN74CBTLV	1G125DCKF	ł		
VD6300	A: LENI-BRO-1	VALUETOR (BRIVE (DEZI)		1						
1 A 14	05-513-A MS3 B	leard Complete		1	< colf	>				
A-14	103-313-A W33 D	oard, Comprete					A 1949			
	< CAPAC	ITOR >		L701	1-419-370-21	INDUCTOR	OUE			
				L702	1-419-370-21	INDUCTOR				
C705	1-164-156-11	CERAMIC CHIP 0.10F	25V	L703	1-419-370-21	INDUCTOR	OUH HUO			
C706	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	L704	1-419-370-21	INDUCTOR INDUCTOR	OUH			
C708	1-124-779-00	ELECT CHIP 10UF	20.00% 16V	L705	1-419-370-21	INDUCTOR	OUR			
C709	1-107-826-11	CERAMIC CHIP 0.10F	10.00% 16V	1	e moast	SISTOR >				
C710	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V		(IMA	212108 >				
				0701	8-729-010-05	TRANSISTOR M	SB709-RT	1		
C712	1-164-156-11	CERAMIC CHIP 0.1UP	25V	Q702	8-729-029-14	TRANSISTOR D				
C713	1-126-390-11	ELECT CHIP 22UF	20.00% 6.3V	0703	8-729-010-05	TRANSISTOR M	SB709-RT	1		
C714	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V	2,03	0 125 020 00					
C715	1-107-826-11	CERAMIC CHIP 0.1UF	10.00% 16V		< RESI	STOR >				
C716	1-107-826-11	CERAMIC CHIP 0.10F	10.00% 16V							
				R701	1-216-801-11	METAL CHIP	22	5₹	1/10W	
C717	1-126-390-11	ELECT CHIP 22UF	20.00% 6.3V	R702	1-216-801-11	METAL CHIP	22	5%	1/10W	
C719	1-162-970-11	CERAMIC CHIP 0.010F	10.00% 25V	R704	1-216-801-11	METAL CHIP	22	51	1/10W	
C720	1-162-970-11	CERAMIC CHIP 0.01UP	10.00% 25V	R705	1-218-692-11	METAL CHIP			1/10W	
				R706	1-216-809-11	METAL CHIP	100	54	1/10W	
	< CONNE	CTOR >		1						
	* 1-816-402-12	CONNECTOR, MEMORY STI	····	R707	1-216-809-11	METAL CHIP		5% 5%	1/10W 1/10W	
CN701 CN702	* 1-816-402-12 * 1-794-959-21	PIN. CONNECTOR (PWB.		R708	1-216-809-11	METAL CHIP METAL CHIP		5% 5%	1/10W	
CBI / UZ	- 1-/94-909-21	PIB, COMMECTOR (FMB,	LUTHIIIAL	R709	1-216-809-11	***************************************		5%	1/10W	
	< DIODE			R710	1-216-803-11	METAL CHIP METAL CHIP		5 %	1/10W	
	\ D1004	•		R721	1-216-821-11	MEIRE CEIF	10	٠.	1/204	
D701	8-719-421-69	DIODE MA133		R722	1-216-809-11	METAL CHIP	100	58	1/10W	
D702	8-719-421-69	DIODE MAI33		R724	1-216-833-11	METAL CHIP		5%	1/100	
D703	8-719-421-69	DIODE MA133		R725	1-216-845-11	METAL CHIP		5%	1/10W	
D704	8-719-421-69	DIODE MA133		R726	1-218-871-11	METAL CHIP			1/10W	
D705	8-719-421-69	DIODE MA133		R728	1-216-864-11	SHORT CHIP	0			
D706	8-719-421-69	DIODE MA133		R731	1-216-864-11	SHORT CHIP	0			
D707	8-719-421-69	DIODE MA133								
D708	8-719-421-69	DIODE MA133		* A-1	405-514-A H Bo	oard, Complet	е			
D709	8-719-064-07	DIODE SML-310LTT86		1						
D710	8-719-083-58	DIODE UDZSTE-173.9B			< CAP	ACITOR >				
				0000	1-102-074-00	CERAMIC	0.0010	F	10.00%	SA
D711	8-719-083-58	DIODE UDZSTE-173.9B		C800	1-102-074-00	CERAMIC	0.0010		10.00%	
D712	8-719-421-69	DIODE MA133		C801 C802	1-102-074-00	CERAMIC	0.0010	-	10.00%	
D713	8-719-421-69	DIODE MA133		C802	1-102-074-00	CERAMIC	0.0010		10.00%	
D714	8-719-421-69	DIODE MA133		C806	1-126-960-11	ELECT	101	-	20.00%	
D715	8-719-421-69	DIODE MA133		C800	1-120-200-11	22001			20.000	

Note: The components identified by shading and marked & are critical for safety. Replace only with the part numbers specified in the parts list.



L									<u> </u>
REF.NO.	PART.NO	DESCRIPTION			REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
C807	1-126-960-11	ELECT	107		20.00% 50V	MISCE	LLANEOUS		TEMPLIT
C808	1-102-106-00	CERAMIC	100E	P	10.00% 50V	WINGE	LLANEOUS		
C809	1-102-106-00	CERAMIC	100P	F	10.00% 53V	-	N 1 299 499 A		
C811	1-102-074-00	CERAMIC	0.00	1UF	10.00% 50V	1.11.A.		1 SWITCH, PUSH (AC PO	
C812	1-102-074-00	CERAMIC	0.00	10F	10.00% 50V			1 LOUDSPEAKER (4.2X240	20()
						SALES AND THE		1 SPEAKER (2CM)	recordination . Server
	< CONN	TECTOR >						1 COIL, CHOKE 29MME	
CN800	1-779-947-11	TERMINAL BI	OCIK, S				1 000 010 0		
21807	* 1-564-526-11	PLUG, COMME	CTOR 1	1P		1		LOUDSPEAKER (19CM)	
21809	* 1-564-522-11	PLUG, COMME	CTOR 7	P			9-509-524-14	FRONT END BTF-EF412	(KV-32/36EQ100E)
	< DIOD	ie s					(Elas (IS)	FRONT END BTF-EC412	(EA-25/20HÖTOGE/E)
							174.27.67	i i i de la comp	wording.
802	8-719-929-15	DIODE HZS9.	1NB2						
803	8-719-929-15	DIODE HES9.						Augest Familian Carle	
804	8-719-109-97	DIODE RD6.8				1	A CONTRACTOR		
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800	1-750-264-11	JACK					SAME OF SAME		15.
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303	1-408-603-31 1-408-603-31	INDUCTOR INDUCTOR	100					MAGNET, DISK; 10MM	SK; 15994
304	1-410-119-11	INDUCTOR	100 1MB	-			1 132 032 00	MANUALI, DISK, TURN	
	- 120 127 11	IMPOCION	TME			ACCESS	ORIES AND	PACKAGING MAT	ERIALS
	< RESIS	STOR >					*4-094-059-01	CUSHION UPPER (KV-32H	(0100B/F/F)
303	1-249-406-11	CARBON	120		1.4m	,	*4-095-022-01	CUSHION UPPER (KV-368	M100B/E/K)
804	1-249-406-11	CARBON	120	5%	1/49			CUSHION LOWER (KV-32E	
105	1-247-895-91	CARBON	470K	58	1/49			CUSHION LOWER (KV-36H	
06	1-247-895-91	CARBON			1/49			INDIVIDUAL CARTON (KV	
09	1-247-895-91	CARBON	470K		1/49				יא וש ומיטיבעניים
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15	1-249-406-11	CARBON	120	5%	1/4W 1/4W		4-055-672-11	BAG, PROTECTION (KV-3	6H0100B/E/K)
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17	1-247-807-31	CARBON	100	5¥	1/4W		4-095-835-13	INSTRUCTION MANUAL (GE	RMAN/TURKISH/GREEK)
18	1-247-807-31	CARBON	100	5%	1/4W			,	(KV-32/36HQ100E)
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01	1-762-816-11	SWITCH, TACTI							,
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							4-095-835-53	INSTRUCTION MANUAL (ENG	LISE) (KV-32/368Q100B)
					i		4-095-835-63	INSTRUCTION MANUAL (BUI	GARIAN/CZECE/RUSSIAN/
									LISE) (KV-32/36EQ100K)
						PEMOTE			

TRACE

A new TV Repair Assistance Tool that combines ease of use and powerful PC software tools to allow you to save valuable time during many TV repairs.



The TRACE interface connects to the PC's serial port. It provides connection to the TV's I2C bus and can be provided with an InfraRed transmitter (optional).

The interface is powered by a standard 9 V PP3 battery for portable use, and can also be powered by an external 9V/25mA DC power supply.

The TRACE software that is supplied with the interface allows you to:

- Read, restore and compare NVM contents via the I²C bus
- Acknowledge check of all 12C devices in the TV set
- Read Error Codes (emulation of the Error Reader tool)

With the optional IR Add-on kit, the following features can be added:

- · Remote Commander emulation
- User programmable Functional Check through Infrared
- Fast and documented Test Mode setting of all Sony TV chassis

Additional features such as Adjustments and Troubleshooting are available in chassis-dependent software modules. Please contact your local Sony Service organisation for the latest information.



Note: For workshops already using the existing 1²C Link parallel port interface (9-948-320-30), this software can be used us well, replacing the TV Data Handling software (9-948-340-50), but Error Reader and IR functions can only be accessed with the TRACE interface.

Partnumbers: TRACE Starter Kit (TRACE interface + software):

9-948-320-70 TRACE Software (for users of the I²C Link interface): 9-948-340-80

TRACE IR Add-on (IR interface + Remote Commander software): 9-948-320-80

PC requirements: IBM-compatible PC with operating system Windows95, Windows98, or WindowsNT*.

* WindowsNT only supported with TRACE interface

Sony Corporation Sony UK Service Promotions Dept.

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REMOTE COMMANDER

1-478-159-11 REMOTE COMMANDER (RM-940)